


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER 16-5D-46 BTR				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ALTAMONT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Reva Z. Mezenen						14. SURFACE OWNER PHONE (if box 12 = 'fee') 801-225-0889				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 454 N Emery Ave, Orem, UT 84057						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	644 FSL 833 FEL		SESE	5	4.0 S	6.0 W	U			
Top of Uppermost Producing Zone	810 FSL 808 FEL		SESE	5	4.0 S	6.0 W	U			
At Total Depth	810 FSL 810 FEL		SESE	5	4.0 S	6.0 W	U			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 810			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1583			26. PROPOSED DEPTH MD: 7682 TVD: 7673				
27. ELEVATION - GROUND LEVEL 5760			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City Culinary Water Dock				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
SURF	12.25	9.625	0 - 1000	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	100	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	8.75	5.5	0 - 7682	17.0	P-110 LT&C	9.7	Unknown	660	2.31	11.0
							Unknown	860	1.42	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Venessa Langmacher			TITLE Senior Permit Analyst			PHONE 303 312-8172				
SIGNATURE			DATE 06/15/2011			EMAIL vlangmacher@billbarrettcorp.com				
API NUMBER ASSIGNED 43013508440000			APPROVAL  Permit Manager							

RECEIVED: August 08, 2011

DRILLING PLAN

BILL BARRETT CORPORATION

16-5D-46 BTR Well Pad

SE SE, 644' FSL and 833' FEL, Section 5, T4S, R6W, USB&M (surface hole)

SE SE, 810' FSL and 810' FEL, Section 5, T4S, R6W, USB&M (bottom hole)

Duchesne County, Utah

- Due to the close proximity to surface water, BBC will drill this location with a closed loop system.

1 - 2. **Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Lower Green River*	3,299'	3,297'
Douglas Creek	4,150'	4,141'
Black Shale	4,994'	4,985'
Castle Peak	5,197'	5,188'
Uteland Butte	5,519'	5,510'
Wasatch*	5,755'	5,746'
TD	7,682'	7,673'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

3. **BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,000'	No pressure control required
1,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. **Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
<u>(FROM)</u>	<u>(TO)</u>						
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,000'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.							

Bill Barrett Corporation
Drilling Program
#16-5D-46 BTR
Duchesne County, Utah

5. Cementing Program

Casing	Cementing
16" Conductor Casing	<i>Grout</i>
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 100 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft³/sx) circulated to surface with 75% excess. Top of lead estimated at surface.</p> <p><i>Tail</i> with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft³/sx), calculated hole volume with 75% excess. Top of tail estimated at 500'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 660 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft³/sx,) . Top of lead estimated at 500'.</p> <p><i>Tail</i> with approximately 860 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft³/sx). Top of tail estimated at 4494'.</p>

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,000' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

Bill Barrett Corporation
Drilling Program
#16-5D-46 BTR
Duchesne County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3870 psi* and maximum anticipated surface pressure equals approximately 2182 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. Drilling Schedule

Location Construction:	December 2011
Spud:	December 2011
Duration:	15 days drilling time
	45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: 16-5D-46 BTR

Surface Hole Data:

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	274.0	ft ³
Lead Fill:	500'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	100
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	500'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	7,682'
Top of Cement:	500'
Top of Tail:	4,494'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1513.3	ft ³
Lead Fill:	3,994'	
Tail Volume:	1208.0	ft ³
Tail Fill:	3,188'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

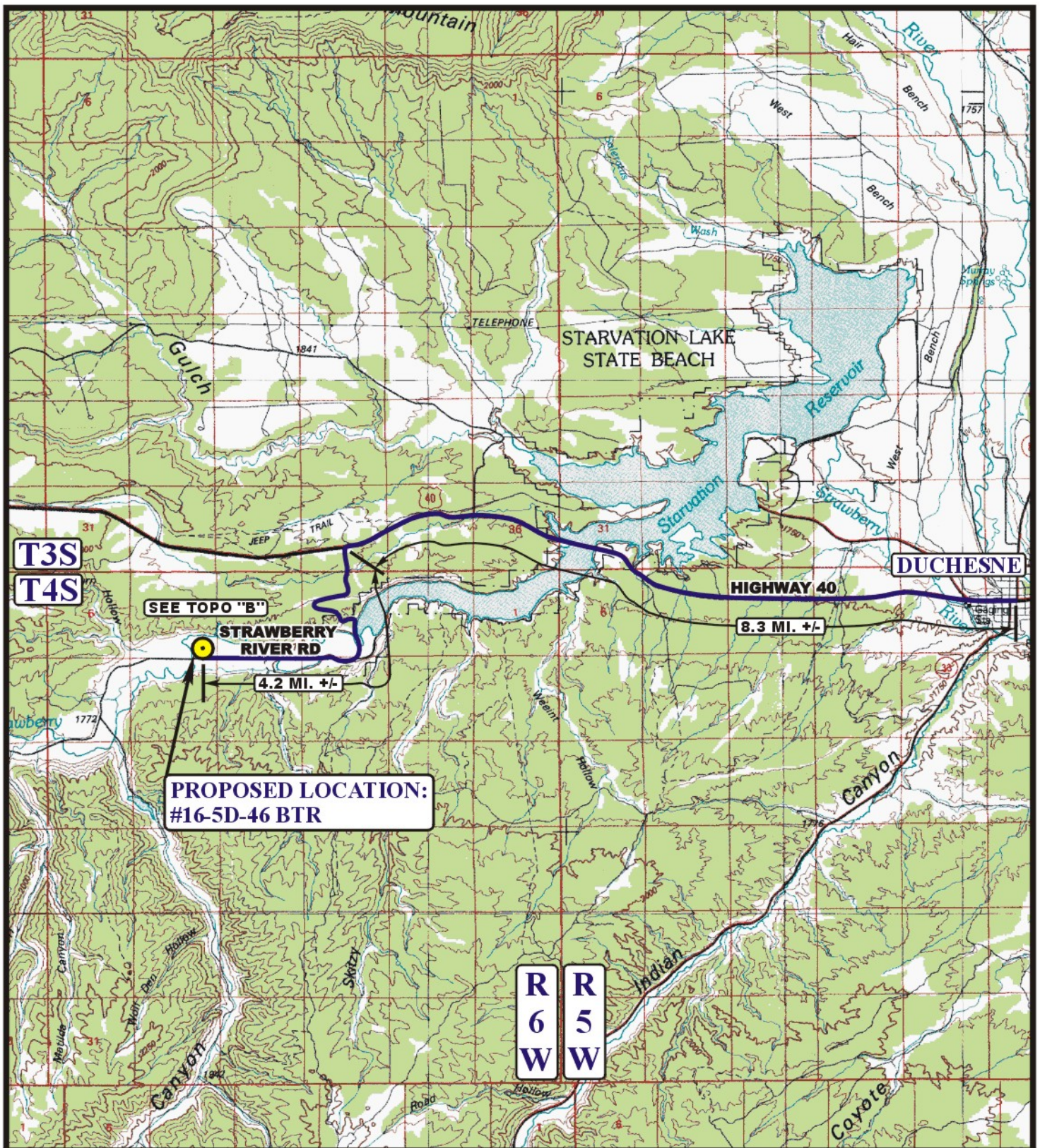
Calculated # of Sacks:

# SK's Lead:	660
# SK's Tail:	860

16-5D-46 BTR Proposed Cementing Program
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<u>Job Recommendation</u>	<u>Surface Casing</u>		
Lead Cement - (500' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	100	sks
Tail Cement - (TD - 500')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	500'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	210	sks

<u>Job Recommendation</u>	<u>Production Casing</u>		
Lead Cement - (4494' - 500')			
Tuned Light™ System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	500'	
	Calculated Fill:	3,994'	
	Volume:	269.51	bbl
	Proposed Sacks:	660	sks
Tail Cement - (7682' - 4494')			
Econocem™ System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	4,494'	
	Calculated Fill:	3,188'	
	Volume:	215.14	bbl
	Proposed Sacks:	860	sks



LEGEND:

PROPOSED LOCATION

BILL BARRETT CORPORATION

#16-5D-46 BTR

SECTION 5, T4S, R6W, U.S.B.&M.

644' FSL 833' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



ACCESS ROAD
MAP

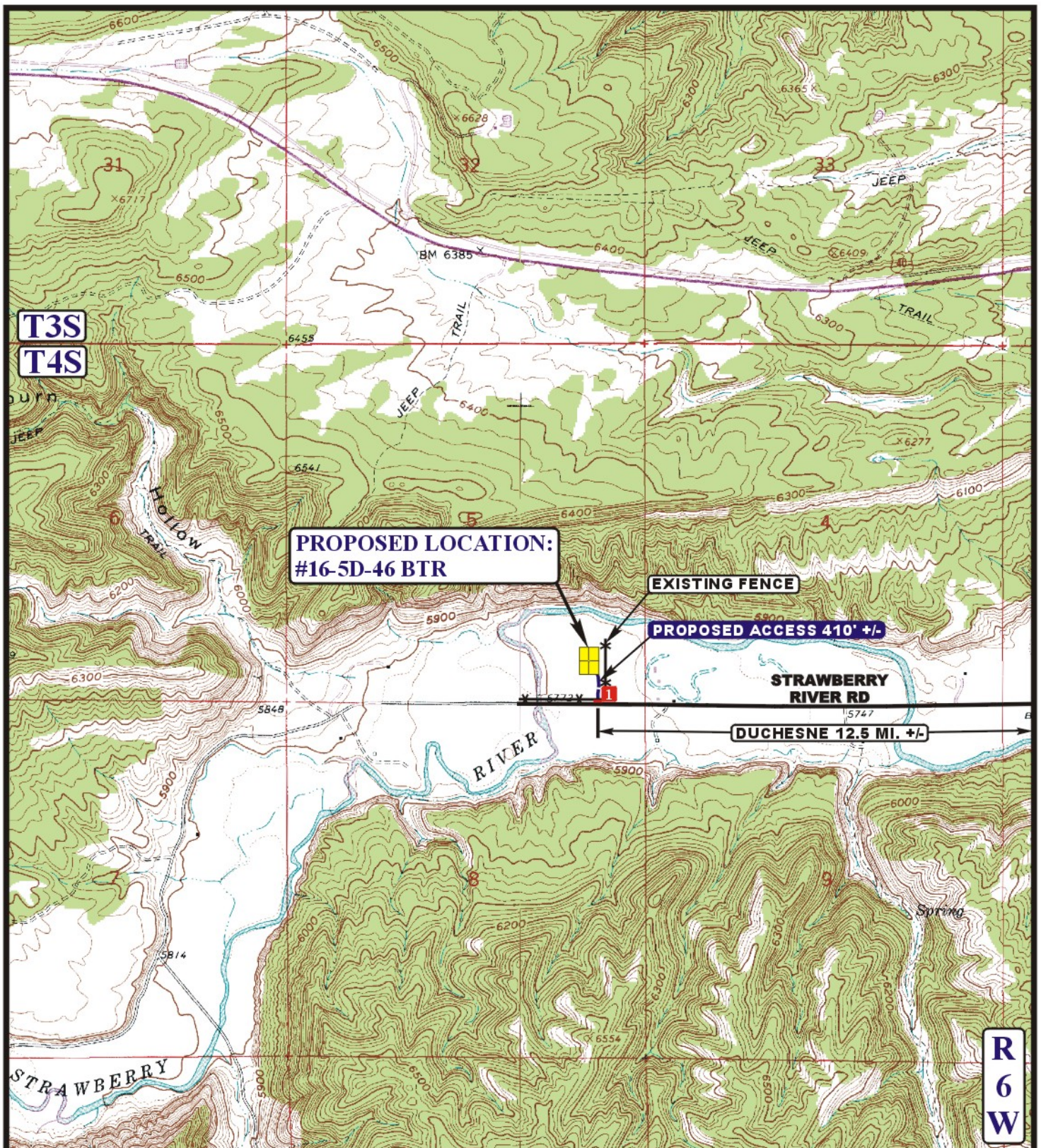
10 **13** **10**
MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: J.J.

REVISED: 06-08-11





LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD
- * * * * * EXISTING FENCE
- 1** 24" CMP REQUIRED



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



BILL BARRETT CORPORATION

#16-5D-46 BTR
SECTION 5, T4S, R6W, U.S.B.&M.
644' FSL 833' FEL

**ACCESS ROAD
MAP**

10 13 10
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 06-08-11

**B
TOPO**

C
TOPO

Bill Barrett Corp.

Duchesne County, UT [NAD27]

16-5D-46 BTR

Well #1 - 16' KB

Wellbore #1

Plan: plan1 05may11 rbw

Standard Planning Report

05 May, 2011



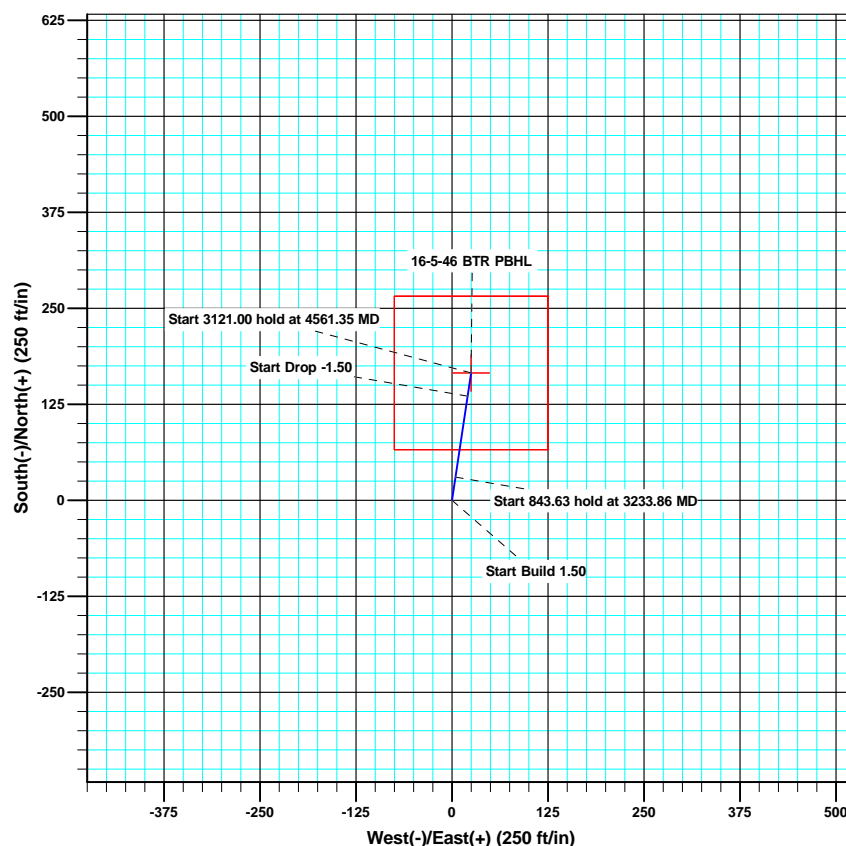
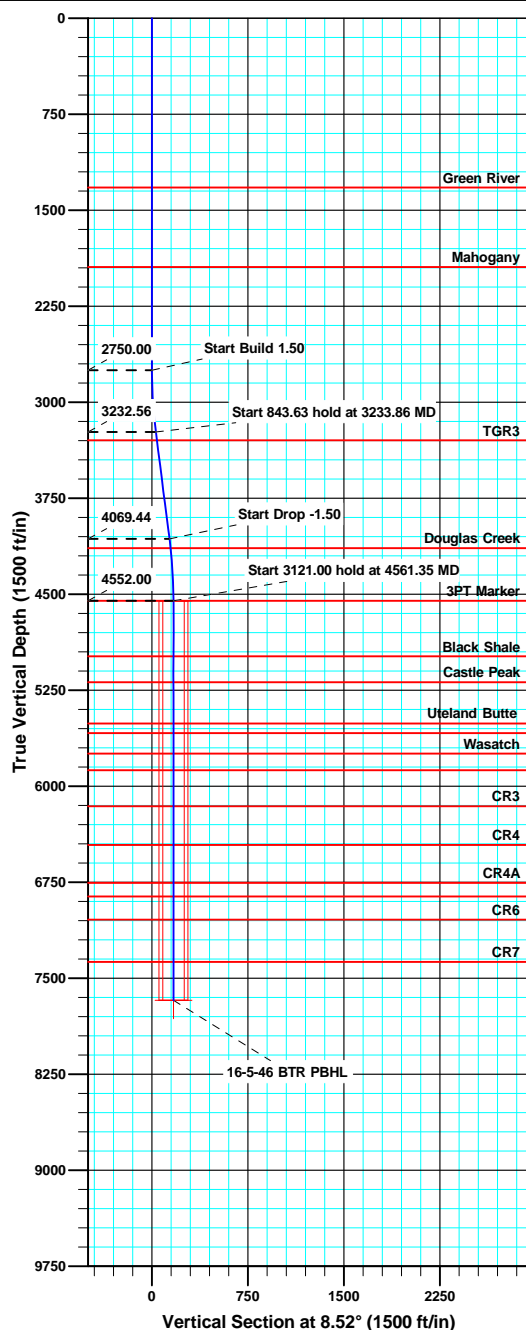
WELL DETAILS: 16-5D-46 BTR

US State Plane 1927 (Exact solution) Utah Central 4302 NAD 1927 (NADCON CONUS)



+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	665343.39	2257211.04	40° 9' 23.10 N	110° 34' 47.10 W

Ground Level: 5759.00 Well #1 - 16" KB

Azimuths to True North
Magnetic North: 11.55°Magnetic Field
Strength: 52266.0snT
Dip Angle: 65.79°
Date: 5/5/2011
Model: IGRF2010

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2750.00	0.00	0.00	2750.00	0.00	0.00	0.00	0.00	0.00	
3233.86	7.26	8.52	3232.56	30.27	4.53	1.50	8.52	30.60	
4077.49	7.26	8.52	4069.44	135.67	20.31	0.00	0.00	137.19	
4561.35	0.00	0.00	4552.00	165.94	24.84	1.50	180.00	167.79	16-5-46 BTR Target
7682.35	0.00	0.00	7673.00	165.94	24.84	0.00	0.00	167.79	16-5-46 BTR PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Well #1 - 16' KB
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5775.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 5775.00ft
Site:	16-5D-46 BTR	North Reference:	True
Well:	Well #1 - 16' KB	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 05may11 rbw		

Project	Duchesne County, UT [NAD27]		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	16-5D-46 BTR				
Site Position:		Northing:	665,343.40 usft	Latitude:	40° 9' 23.10 N
From:	Lat/Long	Easting:	2,257,211.04 usft	Longitude:	110° 34' 47.10 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.59 °

Well	Well #1 - 16' KB					
Well Position	+N/-S	0.00 ft	Northing:	665,343.40 usft	Latitude:	40° 9' 23.10 N
	+E/-W	0.00 ft	Easting:	2,257,211.04 usft	Longitude:	110° 34' 47.10 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,759.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/5/2011	11.55	65.79	52,266

Design	plan1 05may11 rbw			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	8.52

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,750.00	0.00	0.00	2,750.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,233.86	7.26	8.52	3,232.56	30.27	4.53	1.50	1.50	0.00	8.52	
4,077.49	7.26	8.52	4,069.44	135.67	20.31	0.00	0.00	0.00	0.00	
4,561.35	0.00	0.00	4,552.00	165.94	24.84	1.50	-1.50	0.00	180.00	16-5-46 BTR Target
7,682.35	0.00	0.00	7,673.00	165.94	24.84	0.00	0.00	0.00	0.00	16-5-46 BTR PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Well #1 - 16' KB
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5775.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 5775.00ft
Site:	16-5D-46 BTR	North Reference:	True
Well:	Well #1 - 16' KB	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 05may11 rbw		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,323.00	0.00	0.00	1,323.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River									
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,944.00	0.00	0.00	1,944.00	0.00	0.00	0.00	0.00	0.00	0.00
Mahogany									
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,750.00	0.00	0.00	2,750.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.50									
2,800.00	0.75	8.52	2,800.00	0.32	0.05	0.33	1.50	1.50	0.00
2,900.00	2.25	8.52	2,899.96	2.91	0.44	2.94	1.50	1.50	0.00
3,000.00	3.75	8.52	2,999.82	8.09	1.21	8.18	1.50	1.50	0.00
3,100.00	5.25	8.52	3,099.51	15.85	2.37	16.02	1.50	1.50	0.00
3,200.00	6.75	8.52	3,198.96	26.18	3.92	26.48	1.50	1.50	0.00
3,233.86	7.26	8.52	3,232.56	30.27	4.53	30.60	1.50	1.50	0.00
Start 843.63 hold at 3233.86 MD									
3,298.81	7.26	8.52	3,297.00	38.38	5.75	38.81	0.00	0.00	0.00
TGR3									
3,300.00	7.26	8.52	3,298.18	38.53	5.77	38.96	0.00	0.00	0.00
3,400.00	7.26	8.52	3,397.38	51.03	7.64	51.59	0.00	0.00	0.00
3,500.00	7.26	8.52	3,496.57	63.52	9.51	64.23	0.00	0.00	0.00
3,600.00	7.26	8.52	3,595.77	76.01	11.38	76.86	0.00	0.00	0.00
3,700.00	7.26	8.52	3,694.97	88.51	13.25	89.50	0.00	0.00	0.00
3,800.00	7.26	8.52	3,794.17	101.00	15.12	102.13	0.00	0.00	0.00
3,900.00	7.26	8.52	3,893.37	113.50	16.99	114.76	0.00	0.00	0.00
4,000.00	7.26	8.52	3,992.57	125.99	18.86	127.40	0.00	0.00	0.00
4,077.49	7.26	8.52	4,069.44	135.67	20.31	137.19	0.00	0.00	0.00
Start Drop -1.50									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Well #1 - 16' KB
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5775.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 5775.00ft
Site:	16-5D-46 BTR	North Reference:	True
Well:	Well #1 - 16' KB	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 05may11 rbw		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,100.00	6.92	8.52	4,091.78	138.42	20.72	139.96	1.50	-1.50	0.00
4,149.55	6.18	8.52	4,141.00	144.01	21.56	145.61	1.50	-1.50	0.00
Douglas Creek									
4,200.00	5.42	8.52	4,191.19	149.05	22.32	150.71	1.50	-1.50	0.00
4,300.00	3.92	8.52	4,290.86	157.10	23.52	158.85	1.50	-1.50	0.00
4,400.00	2.42	8.52	4,390.70	162.57	24.34	164.38	1.50	-1.50	0.00
4,500.00	0.92	8.52	4,490.66	165.45	24.77	167.30	1.50	-1.50	0.00
4,561.35	0.00	0.00	4,552.00	165.94	24.84	167.79	1.50	-1.50	0.00
Start 3121.00 hold at 4561.35 MD - 3PT Marker									
4,600.00	0.00	0.00	4,590.65	165.94	24.84	167.79	0.00	0.00	0.00
4,700.00	0.00	0.00	4,690.65	165.94	24.84	167.79	0.00	0.00	0.00
4,800.00	0.00	0.00	4,790.65	165.94	24.84	167.79	0.00	0.00	0.00
4,900.00	0.00	0.00	4,890.65	165.94	24.84	167.79	0.00	0.00	0.00
4,994.35	0.00	0.00	4,985.00	165.94	24.84	167.79	0.00	0.00	0.00
Black Shale									
5,000.00	0.00	0.00	4,990.65	165.94	24.84	167.79	0.00	0.00	0.00
5,100.00	0.00	0.00	5,090.65	165.94	24.84	167.79	0.00	0.00	0.00
5,197.35	0.00	0.00	5,188.00	165.94	24.84	167.79	0.00	0.00	0.00
Castle Peak									
5,200.00	0.00	0.00	5,190.65	165.94	24.84	167.79	0.00	0.00	0.00
5,300.00	0.00	0.00	5,290.65	165.94	24.84	167.79	0.00	0.00	0.00
5,400.00	0.00	0.00	5,390.65	165.94	24.84	167.79	0.00	0.00	0.00
5,500.00	0.00	0.00	5,490.65	165.94	24.84	167.79	0.00	0.00	0.00
5,519.35	0.00	0.00	5,510.00	165.94	24.84	167.79	0.00	0.00	0.00
Uteland Butte									
5,594.35	0.00	0.00	5,585.00	165.94	24.84	167.79	0.00	0.00	0.00
CR1									
5,600.00	0.00	0.00	5,590.65	165.94	24.84	167.79	0.00	0.00	0.00
5,700.00	0.00	0.00	5,690.65	165.94	24.84	167.79	0.00	0.00	0.00
5,755.35	0.00	0.00	5,746.00	165.94	24.84	167.79	0.00	0.00	0.00
Wasatch									
5,800.00	0.00	0.00	5,790.65	165.94	24.84	167.79	0.00	0.00	0.00
5,885.35	0.00	0.00	5,876.00	165.94	24.84	167.79	0.00	0.00	0.00
CR2									
5,900.00	0.00	0.00	5,890.65	165.94	24.84	167.79	0.00	0.00	0.00
6,000.00	0.00	0.00	5,990.65	165.94	24.84	167.79	0.00	0.00	0.00
6,100.00	0.00	0.00	6,090.65	165.94	24.84	167.79	0.00	0.00	0.00
6,166.35	0.00	0.00	6,157.00	165.94	24.84	167.79	0.00	0.00	0.00
CR3									
6,200.00	0.00	0.00	6,190.65	165.94	24.84	167.79	0.00	0.00	0.00
6,300.00	0.00	0.00	6,290.65	165.94	24.84	167.79	0.00	0.00	0.00
6,400.00	0.00	0.00	6,390.65	165.94	24.84	167.79	0.00	0.00	0.00
6,469.35	0.00	0.00	6,460.00	165.94	24.84	167.79	0.00	0.00	0.00
CR4									
6,500.00	0.00	0.00	6,490.65	165.94	24.84	167.79	0.00	0.00	0.00
6,600.00	0.00	0.00	6,590.65	165.94	24.84	167.79	0.00	0.00	0.00
6,700.00	0.00	0.00	6,690.65	165.94	24.84	167.79	0.00	0.00	0.00
6,764.35	0.00	0.00	6,755.00	165.94	24.84	167.79	0.00	0.00	0.00
CR4A									
6,800.00	0.00	0.00	6,790.65	165.94	24.84	167.79	0.00	0.00	0.00
6,870.35	0.00	0.00	6,861.00	165.94	24.84	167.79	0.00	0.00	0.00
CR5									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Well #1 - 16' KB
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5775.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 5775.00ft
Site:	16-5D-46 BTR	North Reference:	True
Well:	Well #1 - 16' KB	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 05may11 rbw		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,900.00	0.00	0.00	6,890.65	165.94	24.84	167.79	0.00	0.00	0.00
7,000.00	0.00	0.00	6,990.65	165.94	24.84	167.79	0.00	0.00	0.00
7,052.35	0.00	0.00	7,043.00	165.94	24.84	167.79	0.00	0.00	0.00
CR6									
7,100.00	0.00	0.00	7,090.65	165.94	24.84	167.79	0.00	0.00	0.00
7,200.00	0.00	0.00	7,190.65	165.94	24.84	167.79	0.00	0.00	0.00
7,300.00	0.00	0.00	7,290.65	165.94	24.84	167.79	0.00	0.00	0.00
7,382.35	0.00	0.00	7,373.00	165.94	24.84	167.79	0.00	0.00	0.00
CR7									
7,400.00	0.00	0.00	7,390.65	165.94	24.84	167.79	0.00	0.00	0.00
7,500.00	0.00	0.00	7,490.65	165.94	24.84	167.79	0.00	0.00	0.00
7,600.00	0.00	0.00	7,590.65	165.94	24.84	167.79	0.00	0.00	0.00
7,682.35	0.00	0.00	7,673.00	165.94	24.84	167.79	0.00	0.00	0.00
TD at 7682.35									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
16-5-46 BTR Target - plan hits target center - Point	0.00	0.00	4,552.00	165.94	24.84	665,509.59	2,257,234.17	40° 9' 24.74 N	110° 34' 46.78 W
16-5-46 BTR PBHL - plan hits target center - Rectangle (sides W200.00 H200.00 D3,121.00)	0.00	0.00	7,673.00	165.94	24.84	665,509.58	2,257,234.17	40° 9' 24.74 N	110° 34' 46.78 W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,323.00	1,323.00	Green River		0.00	
1,944.00	1,944.00	Mahogany		0.00	
3,298.81	3,297.00	TGR3		0.00	
4,149.55	4,141.00	Douglas Creek		0.00	
4,561.35	4,552.00	3PT Marker		0.00	
4,994.35	4,985.00	Black Shale		0.00	
5,197.35	5,188.00	Castle Peak		0.00	
5,519.35	5,510.00	Uteland Butte		0.00	
5,594.35	5,585.00	CR1		0.00	
5,755.35	5,746.00	Wasatch		0.00	
5,885.35	5,876.00	CR2		0.00	
6,166.35	6,157.00	CR3		0.00	
6,469.35	6,460.00	CR4		0.00	
6,764.35	6,755.00	CR4A		0.00	
6,870.35	6,861.00	CR5		0.00	
7,052.35	7,043.00	CR6		0.00	
7,382.35	7,373.00	CR7		0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Well #1 - 16' KB
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5775.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 5775.00ft
Site:	16-5D-46 BTR	North Reference:	True
Well:	Well #1 - 16' KB	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 05may11 rbw		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,750.00	2,750.00	0.00	0.00	Start Build 1.50
3,233.86	3,232.56	30.27	4.53	Start 843.63 hold at 3233.86 MD
4,077.49	4,069.44	135.67	20.31	Start Drop -1.50
4,561.35	4,552.00	165.94	24.84	Start 3121.00 hold at 4561.35 MD
7,682.35	7,673.00	165.94	24.84	TD at 7682.35

SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the 27th day of January, 2011, by and between Reva Z. Mezenen, Sheila Rose Higa, Sonya Reva Mezenen, Tara Danette Mezenen, Stacey Mezenen and Wade Mezenen, 454 North Emery Avenue, Orem, UT 84057-3708, ("Surface Owner") and Bill Barrett Corporation, 1099 18th Street, Suite 2300, Denver CO 80202, ("BBC").

WITNESSETH THAT:

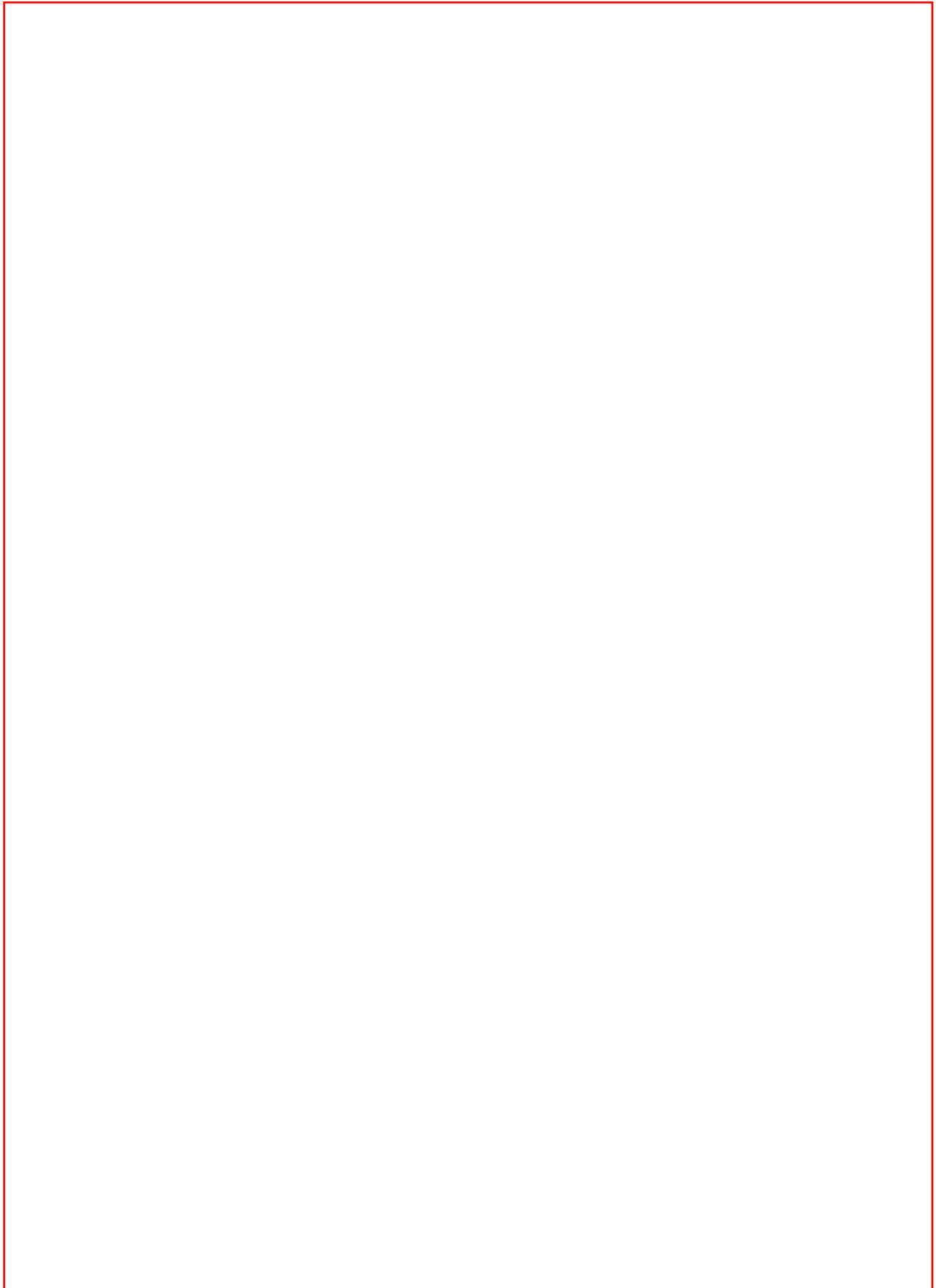
WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting All of Section 5, Township 4 South, Range 6 West, USM, of Duchesne County, Utah; and,

WHEREAS, such leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #16-5-46 BTR and #13H-5-46 BTR wells at a legal drill-site location in the SE1/4SE1/4 of Section 5, Township 4 South, Range 6 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of the-W1/2SE1/4SE1/4 Section 5, Township 4 South, Range 6 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,





BBC shall maintain all roads used pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads.

BBC shall repair any fences and gates damaged by them during the course of their operations on the lands subject to this Agreement.

Surface Owner and their heirs or assigns shall have full access and use of the road built pursuant to this Agreement.

This Agreement shall inure to the benefit of the parties hereto, their heirs, successors and assigns and shall be a burden running with the land.

This Agreement may be executed in any number of counterparts and all such counterparts shall be deemed to constitute a single Agreement and the execution of one counterpart by any party hereto shall have the same force and effect as if said party had signed all other counterparts.

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 27th day of January, 2011.

SURFACE OWNER :

BILL BARRETT CORPORATION

By: Reva Z. Mezenen
Reva Z. Mezenen

By: Clint W. Turner
Clint W. Turner
As Agent for Bill Barrett Corporation

By: Sheila Rose Higa
Sheila Rose Higa

By: _____
Sonja Reva Mezenen

By: _____
Tara Danette Mezenen

By: _____
Stacey Mezenen

By: _____
Wade Mezenen

STATE OF UTAH)
COUNTY OF Utah)

On the 14 day of February, 2011, personally appeared before me Reva Z. Mezenen known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Rhett Bailey
Notary Public
Residing at:

My Commission Expires: 09-24-2013



STATE OF UTAH)
COUNTY OF)

On the 14 day of February, 2011, personally appeared before me Sheila Rose Higa known to me to be person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Rhett Bailey
Notary Public
Residing at:

My Commission Expires: 09-24-2013



IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 27th day of January, 2011.

SURFACE OWNER :

BILL BARRETT CORPORATION

By: _____
Reva Z. Mezenen

By: _____
Clint W. Turner
As Agent for Bill Barrett Corporation

By: _____
Sheila Rose Higa

By: _____
Sonja Reva Mezenen

By: _____
Tara Danette Mezenen

By: _____
Stacey Mezenen

By: _____
Wade Mezenen

STATE OF UTAH)
COUNTY OF)

On the _____ day of _____, 2011, personally appeared before me _____
Reva Z. Mezenen known to me to be the person whose name is subscribed to the
foregoing instrument and acknowledged to me that she executed the same for the purpose
and consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

STATE OF UTAH)
COUNTY OF)

On the _____ day of _____, 2011, personally appeared before me Sheila
Rose Higa known to me to be person whose name is subscribed to the foregoing
instrument and acknowledged to me that she executed the same for the purpose and
consideration therein expressed.

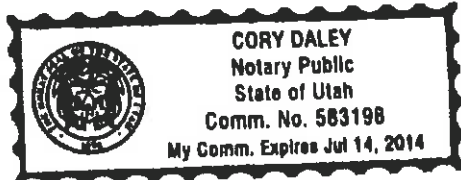
Notary Public
Residing at:

My Commission Expires: _____

STATE OF UTAH)

COUNTY OF UTAH)

On the 3rd day of February, 2011, personally appeared be for me Sonya Reva Mezenen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.



[Signature]
Notary Public
Residing at: 175 W Center St.
Gran, UT 84057

My Commission Expires: July 14, 2014

STATE OF UTAH)

COUNTY OF)

On the _____ day of _____, 2011, personally appeared be for me Tara Danette Mezenen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

STATE OF CALIFORNIA)

COUNTY OF)

On the _____ day of _____, 2011, personally appeared be for me Stacey Mezenen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 27th day of January, 2011.

SURFACE OWNER :

BILL BARRETT CORPORATION

By: _____
Reva Z. Mezenen

By: _____
Clint W. Turner
As Agent for Bill Barrett Corporation

By: _____
Sheila Rose Higa

By: _____
Sonja Reva Mezenen

By: T. Danette Mezenen
Tara Danette Mezenen

By: _____
Stacey Mezenen

By: _____
Wade Mezenen

STATE OF UTAH)
COUNTY OF)

On the _____ day of _____, 2011, personally appeared before me _____
Reva Z. Mezenen known to me to be the person whose name is subscribed to the
foregoing instrument and acknowledged to me that she executed the same for the purpose
and consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

STATE OF UTAH)
COUNTY OF)

On the _____ day of _____, 2011, personally appeared before me Sheila
Rose Higa known to me to be person whose name is subscribed to the foregoing
instrument and acknowledged to me that she executed the same for the purpose and
consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

STATE OF UTAH)

COUNTY OF)

On the _____ day of _____, 2011, personally appeared be for me Sonya Reva Mezenen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Notary Public

Residing at:

My Commission Expires: _____

STATE OF UTAH)

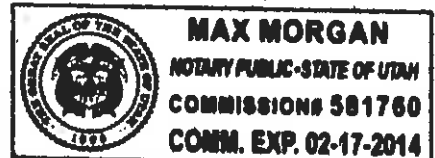
COUNTY OF)

On the 17 day of February, 2011, personally appeared be for me Tara Danette Mezenen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Notary Public

Residing at:

My Commission Expires: 2-17-2014



STATE OF CALIFORNIA)

COUNTY OF)

On the _____ day of _____, 2011, personally appeared be for me Stacey Mezenen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed.

Notary Public

Residing at:

My Commission Expires: _____

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 27th day of January, 2011.

SURFACE OWNER :

BILL BARRETT CORPORATION

By: _____
Reva Z. Mezenen

By: _____
Clint W. Turner
As Agent for Bill Barrett Corporation

By: _____
Sheila Rose Higa

By: _____
Sonja Reva Mezenen

By: _____
Tara Danette Mezenen

By: _____
Stacey Mezenen

By: _____
Wade Mezenen

STATE OF UTAH)
COUNTY OF)

On the _____ day of _____, 2011, personally appeared before me _____
Reva Z. Mezenen known to me to be the person whose name is subscribed to the
foregoing instrument and acknowledged to me that she executed the same for the purpose
and consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

STATE OF UTAH)
COUNTY OF)

On the _____ day of _____, 2011, personally appeared before me Sheila
Rose Higa, known to me to be person whose name is subscribed to the foregoing
instrument and acknowledged to me that she executed the same for the purpose and
consideration therein expressed.

Notary Public
Residing at:

My Commission Expires: _____

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 27th day of January, 2011.

SURFACE OWNER :

BILL BARRETT CORPORATION

By: _____
Reva Z. Mezenen

By: _____
Clint W. Turner
As Agent for Bill Barrett Corporation

By: _____
Sheila Rose Higa

ACKNOWLEDGMENT

State of California
County of San Bernardino

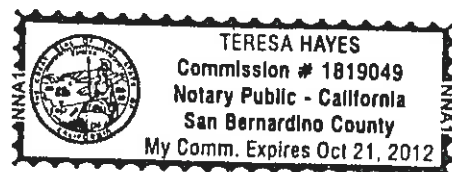
On February 8, 2011 before me, Teresa Hayes, Notary Public
(insert name and title of the officer)

personally appeared Stacey Mezenen
who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is~~are~~
subscribed to the within instrument and acknowledged to me that he/~~she~~~~they~~ executed the same in
his/~~her~~~~their~~ authorized capacity~~(ies)~~, and that by his/~~her~~~~their~~ signature~~(s)~~ on the instrument the
person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Teresa Hayes (Seal)



By: _____
Sonya Reva Mezenen

By: _____
Tara Danette Mezenen

By _____
Stacey Mezenen

By: Wade Mezenen
Wade Mezenen

STATE OF UTAH)

COUNTY OF Sevier)

On the 17th day of February, 2011, personally appeared be for me Wade Mezenen known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed.



JENNIFER N. HICKS
NOTARY PUBLIC-STATE OF UTAH
15 WEST 100 NORTH
RICHFIELD, UTAH 84701
COMM. EXP. 1-21-2012

Jennifer Hicks
Notary Public

Residing at: Sevier Co, UT

My Commission Expires: 1-21-2012

STATE OF UTAH)

COUNTY OF SALT LAKE)

On the 19th day of April, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent of Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.



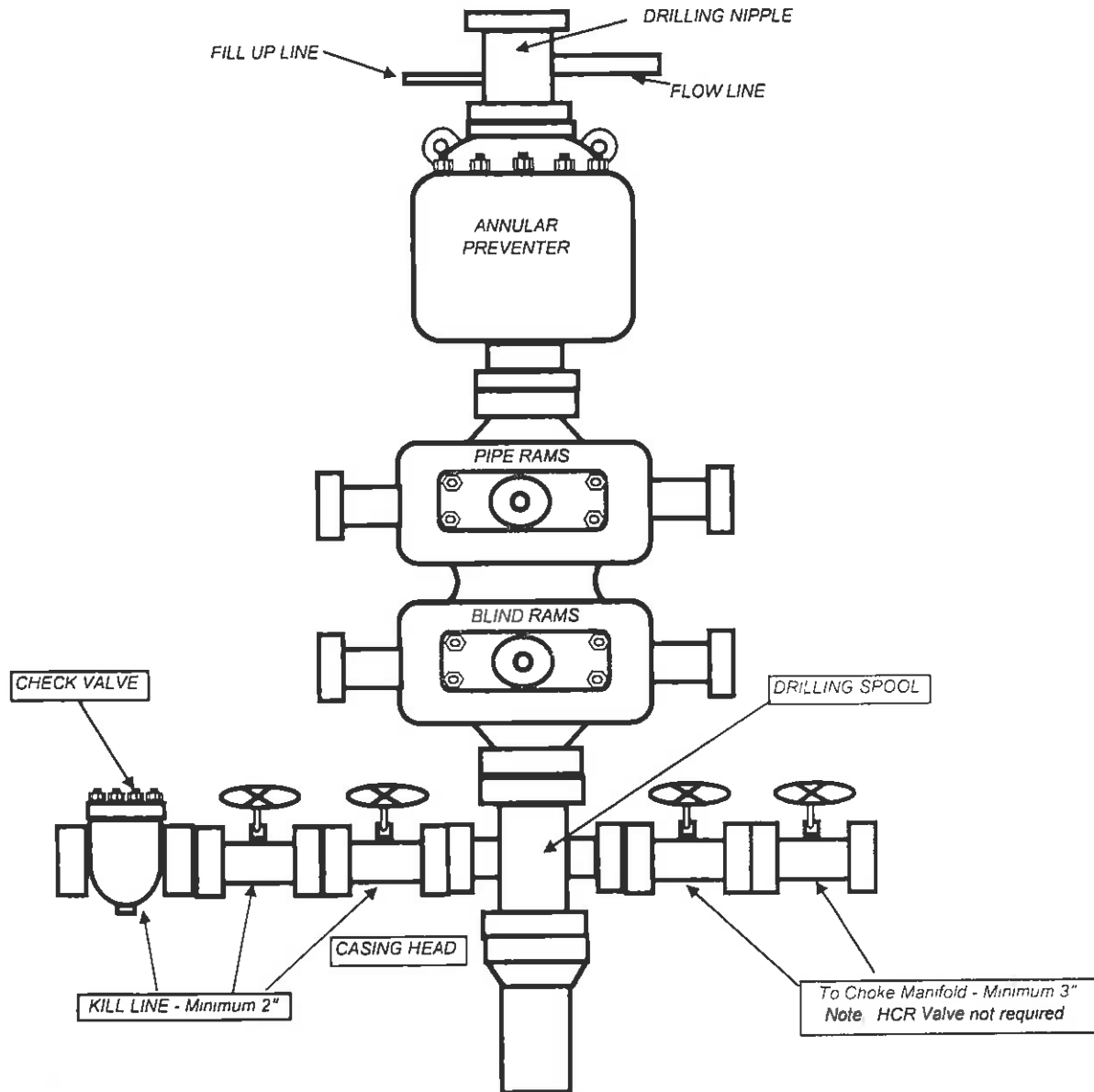
DANIEL WILLIAM COSTLEY
NOTARY PUBLIC-STATE OF UTAH
COMMISSION# 600945
COMM. EXP. 10-24-2014

Daniel William Costley
Notary Public
Residing at:

My Commission Expires: 10-24-2014

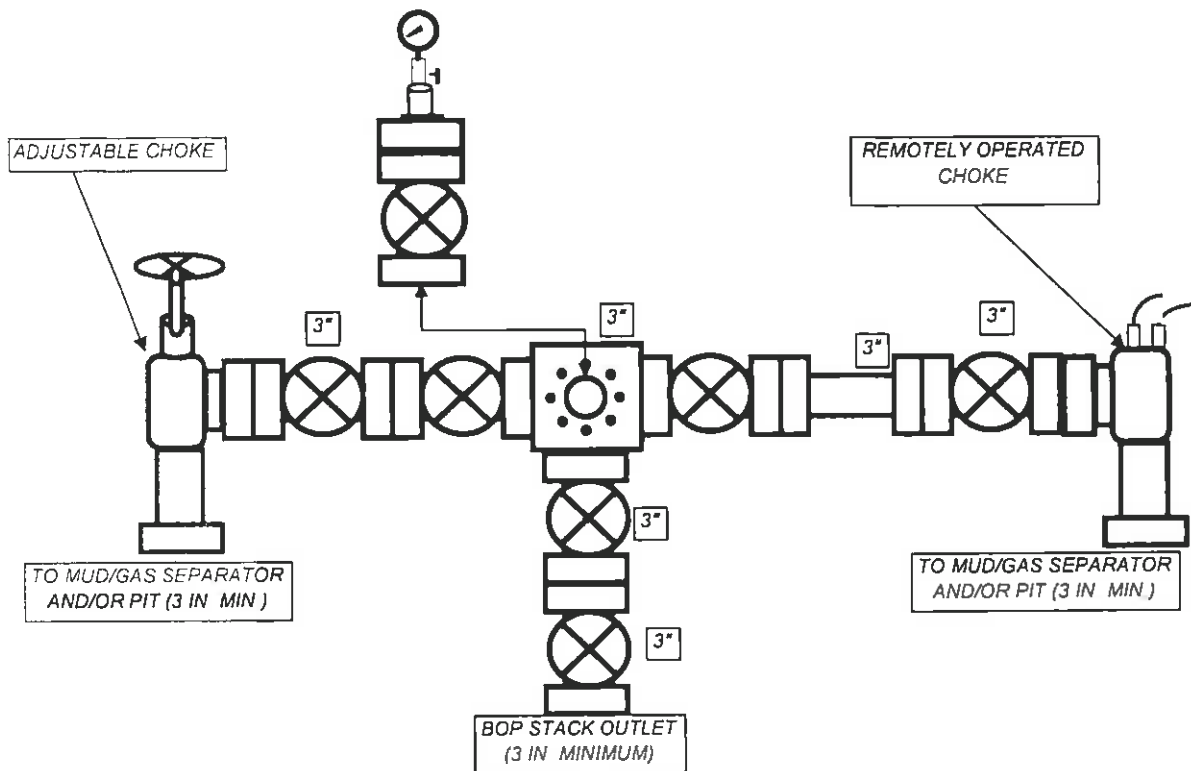
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





June 15, 2011

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11
Blacktail Ridge Area #16-5D-46 BTR Well
Surface: 644' FSL & 833' FEL, SESE, 5-T4S-R6W, USM
Bottom Hole: 810' FSL & 810' FEL, SESE, 5-T4S-R6W, USM
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,



David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

#16-5D-46 BTR
SECTION 5, T4S, R6W, U.S.B.&M.
644' FSL 833' FEL

FIGURE #1

SCALE: 1" = 50'

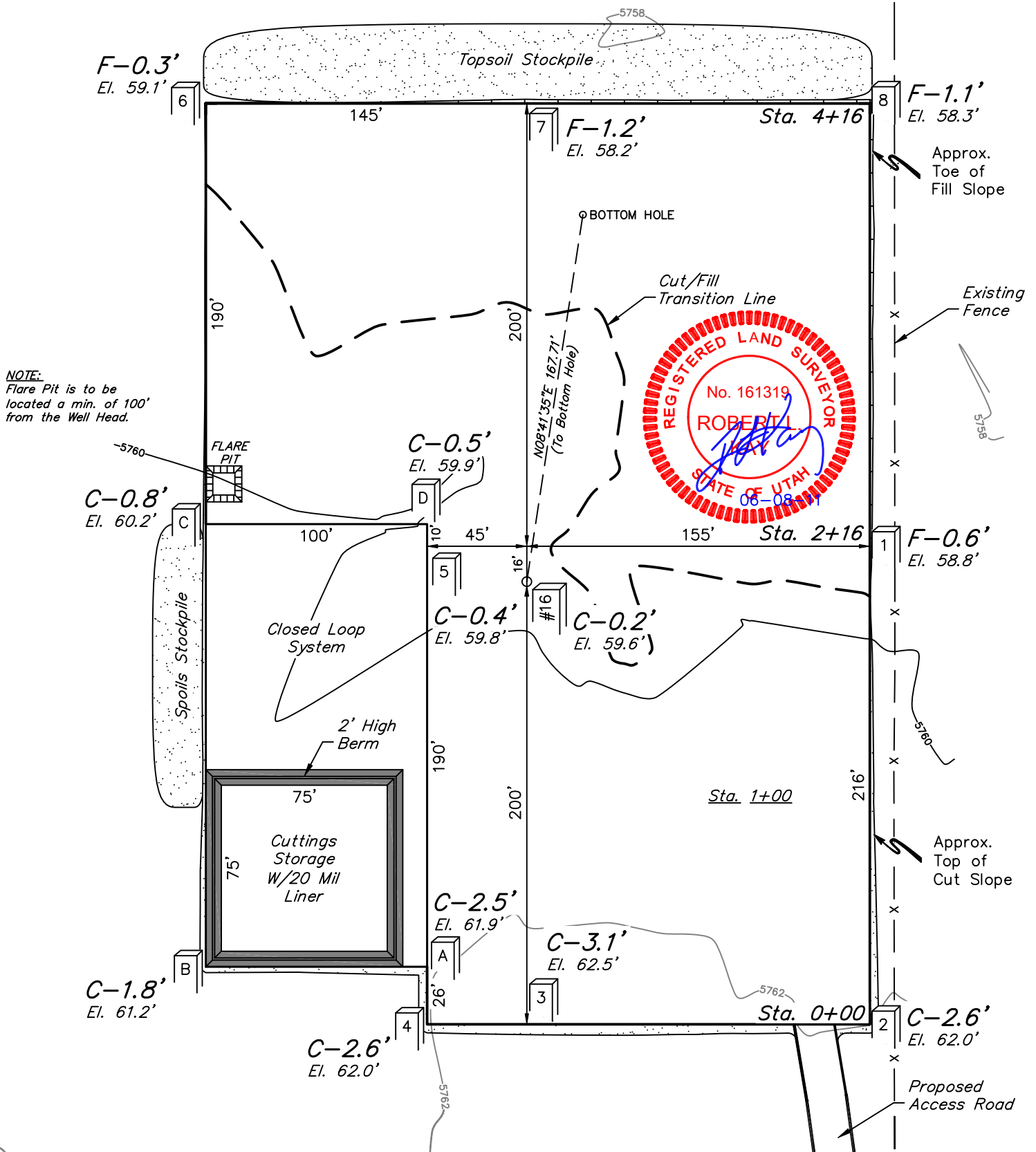
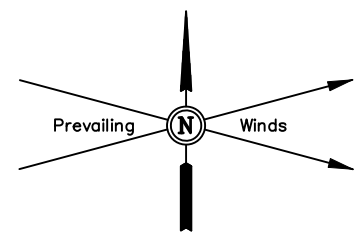
DATE: 10-08-10

DRAWN BY: C.C.

REVISED: 10-18-10

REVISED: 05-05-11

REVISED: 06-08-11



Elev. Ungraded Ground At Loc. Stake = 5759.6'
FINISHED GRADE ELEV. AT LOC. STAKE = 5759.4'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: June 15, 2011

BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

#16-5D-46 BTR

SECTION 5, T4S, R6W, U.S.B.&M.

644' FSL 833' FEL

FIGURE #2

X-Section
Scale
1" = 100'

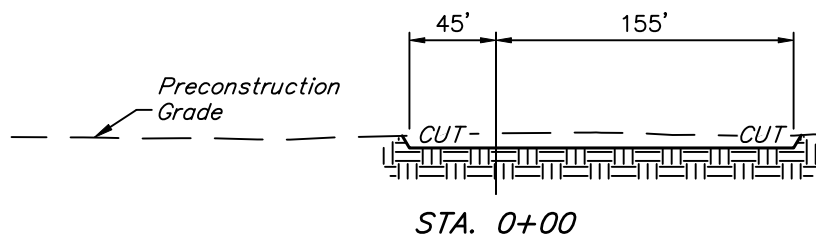
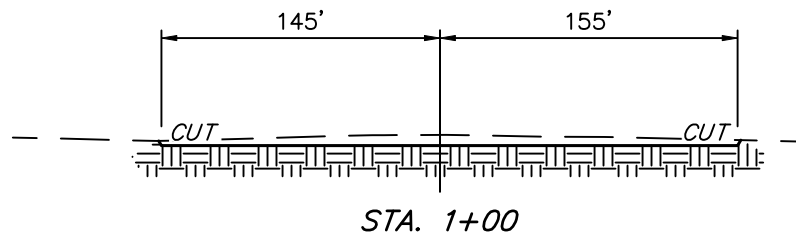
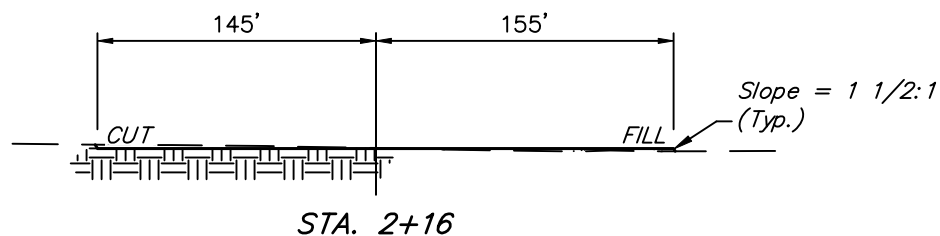
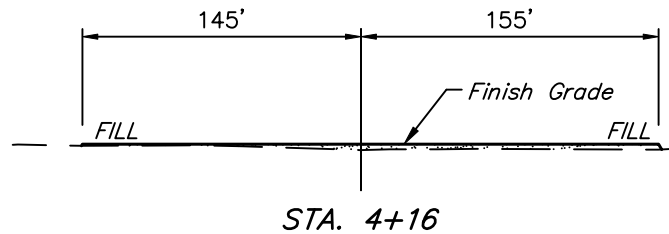
DATE: 00-00-00

DRAWN BY: C.C.

REVISED: 10-18-10

REVISED: 05-05-11

REVISED: 06-08-11

**NOTE:**

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.866 ACRES
ACCESS ROAD DISTURBANCE = ± 0.283 ACRES
PIPELINE DISTURBANCE = ± 1.957 ACRES
TOTAL = ± 6.106 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,320 Cu. Yds.
Remaining Location = 2,360 Cu. Yds.
TOTAL CUT = 4,680 CU.YDS.
FILL = 1,930 CU.YDS.

EXCESS MATERIAL = 2,750 Cu. Yds.
Topsoil & Pit Backfill = 2,320 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 430 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: June 15, 2011



BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

#16-5D-46 BTR
SECTION 5, T4S, R6W, U.S.B.&M.
644' FSL 833' FEL

FIGURE #1

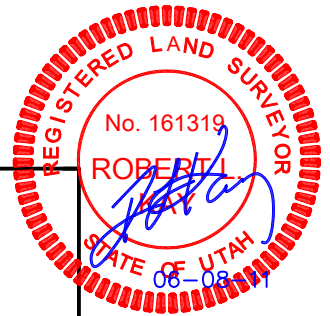
SCALE: 1" = 50'

DATE: 10-08-10

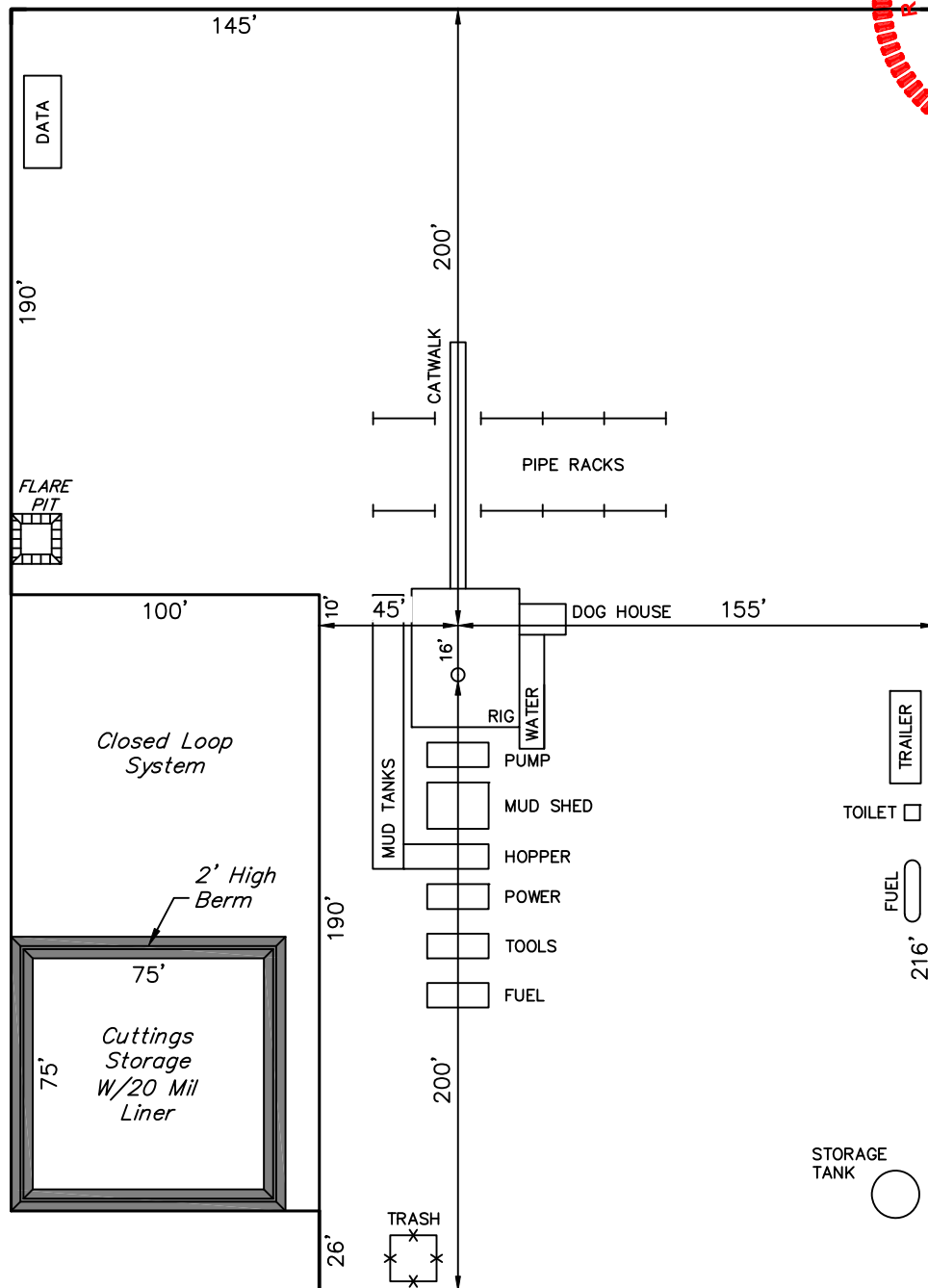
DRAWN BY: C.C.

REVISED: 05-05-11

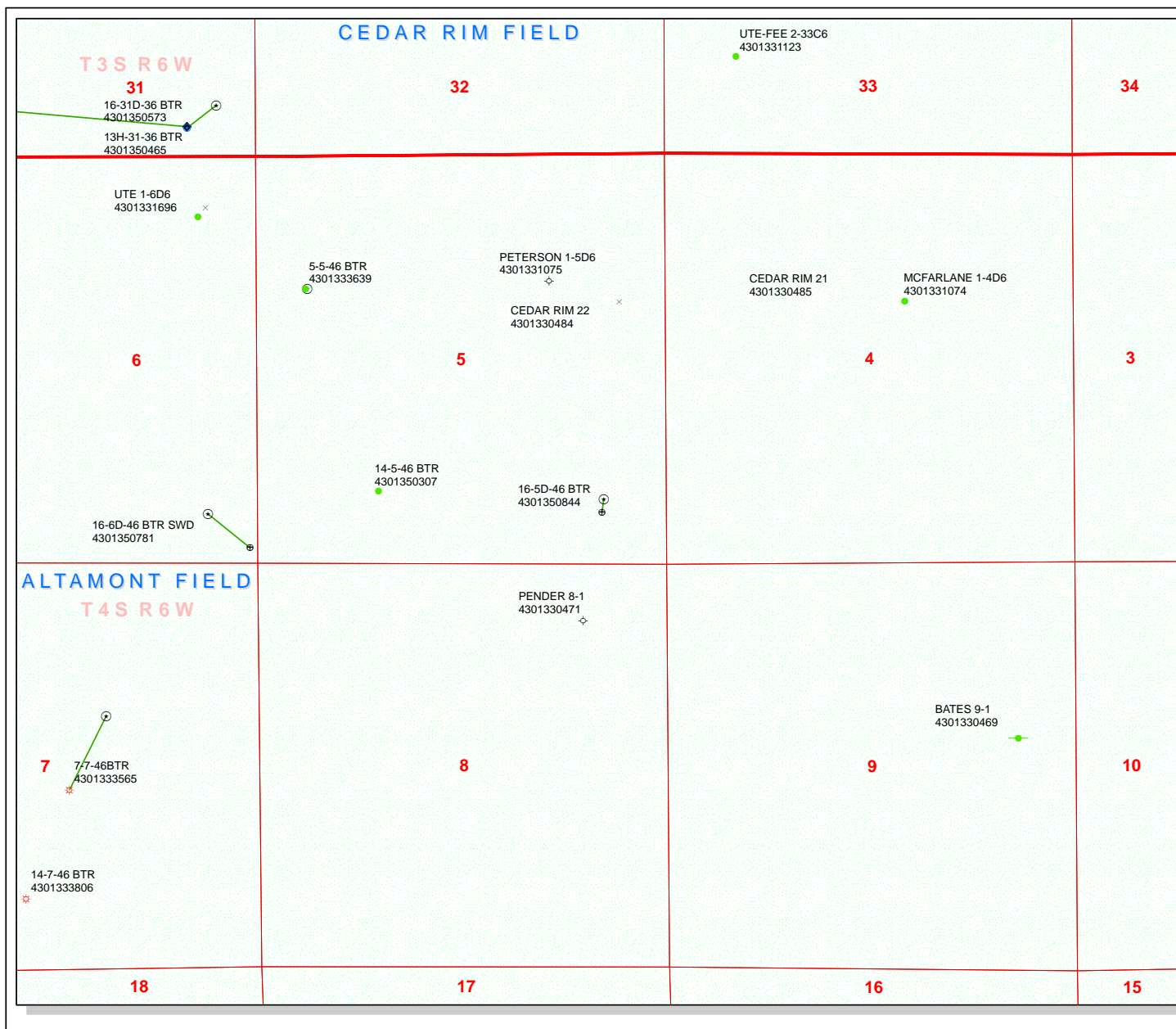
REVISED: 06-08-11



NOTE:
Flare Pit is to be
located a min. of 100'
from the Well Head.

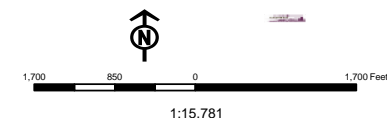
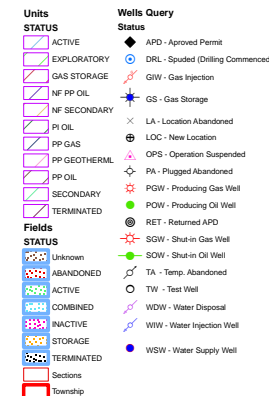


Proposed
Access Road



API Number: 4301350844
Well Name: 16-5D-46 BTR
Township T0.4 . Range R0.6 . Section 05
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason



BOPE REVIEW BILL BARRETT CORP 16-5D-46 BTR 43013508440000

Well Name	BILL BARRETT CORP 16-5D-46 BTR 43013508440000			
String	COND	SURF	PROD	
Casing Size(in)	16.000	9.625	5.500	
Setting Depth (TVD)	80	1000	7673	
Previous Shoe Setting Depth (TVD)	0	80	1000	
Max Mud Weight (ppg)	8.8	8.8	9.7	
BOPE Proposed (psi)	0	0	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	3870		9.7	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	37	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	27	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	19	NO
Required Casing/BOPE Test Pressure=		0	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	458	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	338	NO fresh wtr spud mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	238	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	256	NO Reasonable
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3870	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2949	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2182	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2402	NO Reasonable
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43013508440000

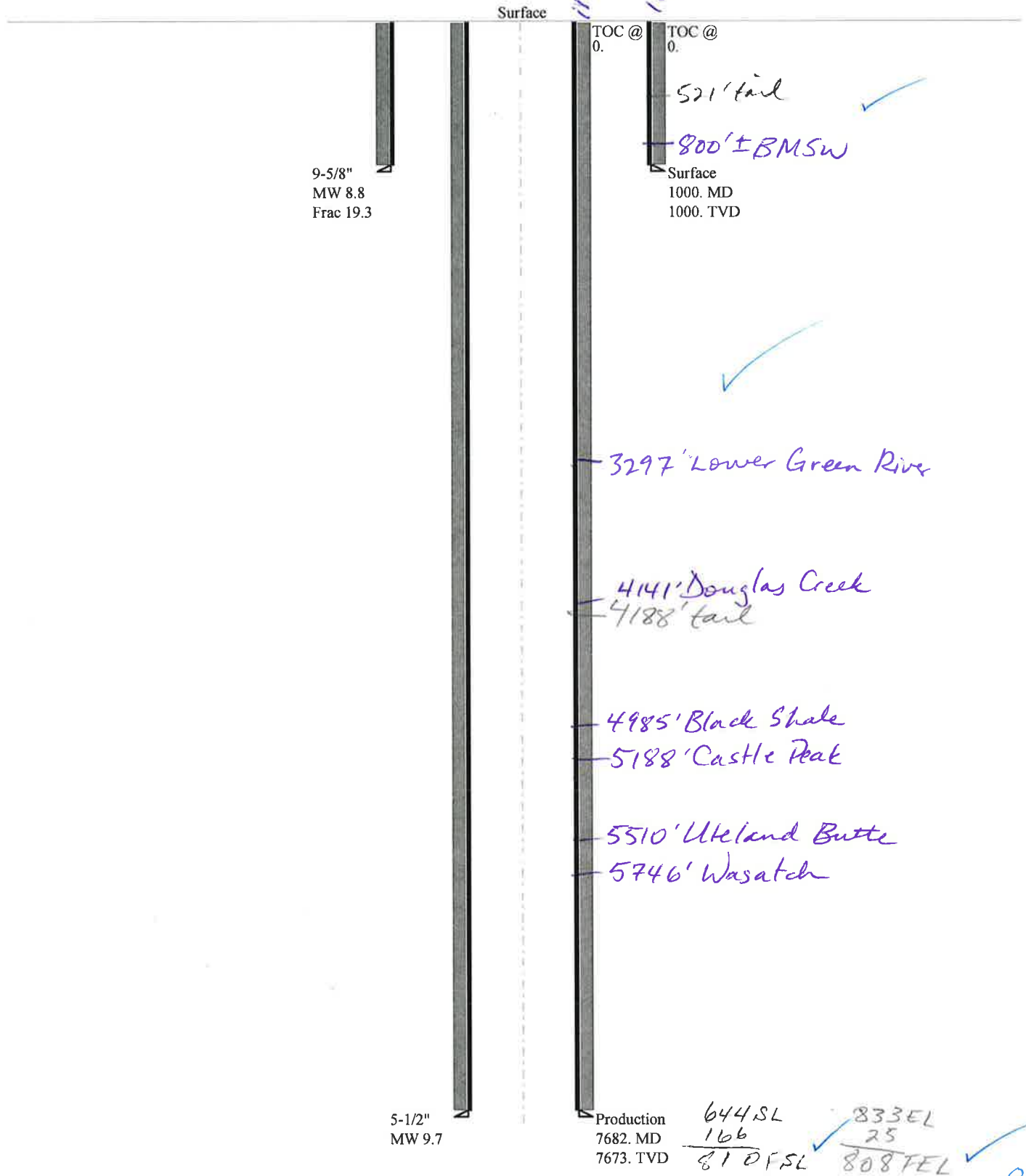
*Max Pressure Allowed @ Previous Casing Shoe=

psi *Assumes 1psi/ft frac gradient

RECEIVED: August 08, 2011

43013508440000 16-5D-46 BTR

Casing Schematic



SE SE Sec 5-45-6 W

Well name:	43013508440000 16-5D-46 BTR		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-013-50844
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 88 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 880 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,000 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 870 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 7,673 ft
Next mud weight: 9.700 ppg
Next setting BHP: 3,866 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,000 ft
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	9.625	36.00	J-55	Buttress	1000	1000	8.796	8850
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	457	2020	4.419	1000	3520	3.52	36	564	15.67 B

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 3, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43013508440000 16-5D-46 BTR		
Operator:	BILL BARRETT CORP		
String type:	Production	Project ID:	43-013-50844
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 9.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 181 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,178 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,866 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 6,553 ft

Directional Info - Build & Drop

Kick-off point 2750 ft
Departure at shoe: 168 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7682	5.5	17.00	P-110	LT&C	7673	7682	4.767	50600
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3866	7480	1.935	3866	10640	2.75	130.4	445	3.41 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 3, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7673 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kernler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	BILL BARRETT CORP				
Well Name	16-5D-46 BTR				
API Number	43013508440000	APD No	4015	Field/Unit	ALTAMONT
Location: 1/4,1/4	SESE	Sec	5	Tw	4.0S
		Rng	6.0W	644	FSL 833 FEL
GPS Coord (UTM)	535795 4444994	Surface Owner	Reva Z. Mezenen		

Participants

Richard Powell (EIS), Kary Eldredge (Bill Barrett), Trevor Anderson (UELS), Don Hamilton (Buys & Associates), Kelly Jackson (Montgomery), Richard Ivie (land owner representative)

Regional/Local Setting & Topography

This well is located in the flood plain of the Strawberry River approximately 12.6 miles west of Duchesne, UT. The Strawberry river meanders through a valley in this area with steep slopes to the north and south climbing out of the valley. Around this location there are areas with standing water and it is evident that ground water is high at this location. The Strawberry River is less than 500 feet from the proposed location and leads to Starvation Reservoir.

Surface Use Plan**Current Surface Use**

Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.08	Width 300 Length 400	Onsite	UNTA

Ancillary Facilities Y

Several trailers will be placed on location to provide housing for personnel during drilling of this well.
Sewage and trash service to be handled by local contractor.

Waste Management Plan Adequate? Y

Environmental Parameters**Affected Floodplains and/or Wetlands** Y

Will require closed loop mud system

Flora / Fauna

Rabbit brush, grasses

cattle and horse pasture

Soil Type and Characteristics

Sandy loam soil

Erosion Issues N**Sedimentation Issues** N**Site Stability Issues** N**Drainage Diversion Required?** N

Berm Required? Y**Erosion Sedimentation Control Required? N****Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? Y****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)		20
Distance to Surface Water (feet)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Unknown	10
	Final Score	62 1 Sensitivity Level

Characteristics / Requirements

There are two pits proposed. The first is the reserve pit included in the location dimensions and is 100ft x 200ft x 8' deep. The other is to the south of the first and is 175ft x 300ft x 12ft deep and is outside of the location dimensions listed for the location. The larger pit is for fracturing of this and other nearby wells. According to Kary Eldredge Bill Barret plans to use 20 mil liners.

Closed Loop Mud Required? Y Liner Required? Y Liner Thickness 20 Pit Underlayment Required?**Other Observations / Comments**

Afrac pit is proposed next to this location. It should be OK if built and used when ground water is below pond and fresh water is used.

A closed loop system should be used in place of the reserve pit.

Richard Powell
Evaluator

5/17/2011
Date / Time

Application for Permit to Drill Statement of Basis

8/8/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4015	43013508440000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Reva Z. Mezenen	
Well Name	16-5D-46 BTR		Unit		
Field	ALTAMONT		Type of Work	DRILL	
Location	SESE 5 4S 6W U 644 FSL 833 FEL GPS Coord (UTM) 535791E 4445000N				

Geologic Statement of Basis

Bill Barrett proposes to set 1,000 feet of surface casing which will be cemented to surface. The surface hole will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 800 feet. A search of Division of Water Rights records indicates that there are 13 water wells within a 10,000 foot radius of the center of Section 5. The nearest water well is approximately .25 miles from the proposed site and produces water from an unknown depth. Most of these wells produce water from the Uinta-Green River Formation and average around 400 feet deep but range from 12 to 600 feet deep. The proposed surface casing should adequately protect usable groundwater in this area.

 Brad Hill
APD Evaluator

 6/28/2011
Date / Time
Surface Statement of Basis

The onsite evaluation was arranged by James Hereford of the BLM and was attended by Richard Ivie as the land owner representative. Mr. Ivie expressed concern that all fences would be maintained to contain livestock. Mr. Kary Eldredge of Bill Barrett stated that a new culvert and cattle guard would be installed at the access road highway entrance. At no other point will the fences be disturbed. Mr. Eldredge was asked about the high ground water interfering with pit construction and use. Mr. Eldredge stated they would like to build a reserve pit and would do so in the fall after the ground water went down but also agreed that a closed loop system may be necessary. Mr. Hereford of the BLM expressed a preference for a closed loop system on this site. As far as the frac pit discussion it was agreed that this would be acceptable if fresh water is used and the pond is built when ground water is below the pond level.

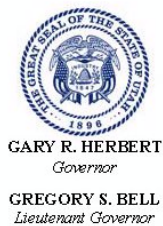
 Richard Powell
Onsite Evaluator

 5/17/2011
Date / Time
Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/15/2011**API NO. ASSIGNED:** 43013508440000**WELL NAME:** 16-5D-46 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**PHONE NUMBER:** 303 312-8172**CONTACT:** Venessa Langmacher**PROPOSED LOCATION:** SESE 05 040S 060W**Permit Tech Review:** ☒**SURFACE:** 0644 FSL 0833 FEL**Engineering Review:** ☒**BOTTOM:** 0810 FSL 0810 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.15648**LONGITUDE:** -110.57976**UTM SURF EASTINGS:** 535791.00**NORTHINGS:** 4445000.00**FIELD NAME:** ALTAMONT**LEASE TYPE:** 4 - Fee**LEASE NUMBER:** Fee**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH**SURFACE OWNER:** 4 - Fee**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE - LPM4138148☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** Duchesne City Culinary Water Dock☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 139-84**Effective Date:** 12/31/2008**Siting:** 660' Fr Drl U Bdry & 1320' Fr Other Wells☒ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:** 5 - Statement of Basis - bhill
15 - Directional - dmason**RECEIVED: August 08, 2011**



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 16-5D-46 BTR
API Well Number: 43013508440000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 8/8/2011

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 16-5D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013508440000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

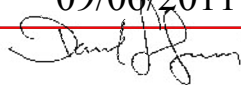
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/1/2011	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input checked="" type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
OTHER: Offsite Cuttings Storage	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Due to the shallow water table, BBC is requesting permission to store the cuttings for this location on the 16-9-36 wellpad which is BBC Surface. The cuttings will be dried sufficiently before being hauled and then will be reclaimed into BBC surface at the 16-9-36 wellpad. BBC has discussed this plan with Dennis Ingram and he approved the plan and directed this sundry submittal.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09/06/2011

By: 

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 8/22/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 16-5D-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013508440000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
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<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2011		
OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. October 2011 Monthly Drilling Activity Report: well spud.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115
SIGNATURE N/A		TITLE Permit Analyst
		DATE 11/3/2011

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company BILL BARRETT CORPORATION

Well Name: 16-5D-46 BTR

Api No: 43-013-50844 Lease Type FEE

Section 05 Township 04S Range 06W County DUCHESNE

Drilling Contractor TRIPLE A DRLG RIG #

SPUDDED:

Date 10/27/2011

Time 8:00 AM

How DRY

**Drilling will
Commence:**

Reported by VENESSA LANGMACHER

Telephone # (303) 312-8172

Date 10/27/2011 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301350844	16-5D-46 BTR	SESE	5	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18280	10/27/2011	10/31/11		
Comments: Spudding Operation was conducted by Triple A Drilling @ 2:00 pm. <u>GR-WS</u> <u>BNL= SESE</u>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

OCT 31 2011

DIV. OF OIL, GAS & MINING

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

10/31/2011

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		STATE: UTAH
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<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:		
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/27/2011		
<input type="checkbox"/> DRILLING REPORT Report Date:		
OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well was spud on 10/27/2011 at 2:00 pm by Triple A Drilling.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher		PHONE NUMBER 303 312-8172
SIGNATURE N/A		TITLE Senior Permit Analyst
		DATE 10/31/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2011		
OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No November 2011 Monthly Drilling activity to report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115
SIGNATURE N/A		TITLE Permit Analyst
		DATE 12/5/2011

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P #273
Submitted By Jack L. Warr Phone Number 281-833-2777
Well Name/Number 16-5D-46 BTR
Qtr/Qtr SE/SE Section 5 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-50844

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

JAN 03 2012

DIV. OF OIL, GAS & MINING

Date/Time 1/2/12 0300 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 1/2/12 1300 AM ☐ PM ☒

Remarks MTD 1000, 9 5/8", 36#, J-55, STC Casing In 12.25"
hole

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2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013508440000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/31/2011		
OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the December 2011 monthly drilling report for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115
SIGNATURE N/A		TITLE Permit Analyst
		DATE 1/5/2012

**16-5D-46 BTR 12/26/2011 15:00 - 12/27/2011 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 1,980.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	7.00	22:00	1	MOVE IN H&P #273	M/I H&P #273 - All DP & DCs On Location, 2-400 Bbl Upright Tanks, Bulk Bar Silo, Flare lines & Box. Misc Loads = 10 Total, Rigging Down Mud Pits & Back Yard.
22:00	8.00	06:00	22	WAIT ON DAYLIGHT	Break Tour / Wait On Daylight.

16-5D-46 BTR 12/27/2011 06:00 - 12/28/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 1,980.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	M/I H&P #273 - Rec'd 19 Loads; Lack Derrick & Substructure.
18:00	12.00	06:00	22	WAIT ON DAYLIGHT	Wait On Daylight.

16-5D-46 BTR 12/28/2011 06:00 - 12/29/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 1,980.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RIG UP H&P #273 - Held Pre-Job Safety Mtg W/ All Personnel. Set Mud Tanks, Mud Pumps, VFD & Engines, Fuel Tank & Boiler. Choke Manifold & Gas Buster. 90% Rig Is On Location, 50% Rigged Up.
18:00	12.00	06:00	22	WAIT ON DAYLIGHT	Wait On Daylight.

16-5D-46 BTR 12/29/2011 06:00 - 12/30/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 1,980.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	200 Ton Crane Was Out Of Service For The Entire Day Unable To Set Substructure Or Mast. Mobilized Replacement From Salt Lake City, Did Not Arrive Before Dark. Run Electrical Lines, Air & Steam Lines, Set Premix Tank, Bulk Bar Silo & 400 Bbl Upright Tank. Recieved Solids Control Equip For Closed Loop System This PM.
18:00	12.00	06:00	22	WAIT ON DAYLIGHT	Wait On Daylight.

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P #273
Submitted By Lawrence Lorenzen Phone Number 281-833-2777
Well Name/Number 16-5D-46 BTR
Qtr/Qtr SE/SE Section 5 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-50844

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 1/10/12 0300 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks

RECEIVED

JAN 09 2012

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 16-5D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013508440000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

January 2012 Monthly Drilling Report attached.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 February 07, 2012**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 2/6/2012	

**16-5D-46 BTR 1/1/2012 06:00 - 1/2/2012 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	21	Pre-Spud Ops	Install Fill up Line On Conductor Pipe, Thaw & Function Mud Cleaner, Pump Thru Shear Relief Lines On Mud Pumps To Clear Of Any Obstruction. Press Test Mud Lines To Top Drive To 3000 Psi, OK. Perform Pre-Spud Safety Check List.
13:00	2.00	15:00	22	P/U DCs & BHA	Pick Up 9 - 6 1/2" DCs & 3 HWDP & Rack Back In Drk.
15:00	3.00	18:00	22	P/U BHA	M/U BHA #1 = 12 1/4" PDC Bit, Hunting 1.83 BH Mud Motor,(7/8 Lobe, 8.06' Bit To Bend). Shock Tool, 3 Pt Rmr, UBHO Sub, NMDC, Gap Sub, 3 Pt Rmr, 2- 8" Steel DCs, Xo, 9- 6 1/2" Steel DCs Xo, 15 HWDP.
18:00	1.00	19:00	2	DRILL ACTUAL	Tag Up @ 97' RKB, Drill 7" Cement To 104' RKB Spud 12 1/4 " Surface Hole @ 18:00 Hr 1/1/12 . Drill Formation F/ 104' To 175' .
19:00	2.50	21:30	22	P/U BHA	P/U EM Tool , Orient/Scribe Tools, P/U 2-8" DCs.
21:30	8.50	06:00	2	DRILL ACTUAL	Drill Formation; 12-1/4" Surface Hole F/ 175' To 780' (605') Wob 15K, Rotary 45, Gpm 480- 570, Motor Rpm 80 - 95, SPP 240 - 350 Psi.

16-5D-46 BTR 1/2/2012 06:00 - 1/3/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	Steerable Drill f/ 780' To 1040' MTD Of Surface Hole. (260') Slide 91 Feet , To Control Angle.
10:00	3.00	13:00	5	COND MUD & CIRC	Circ & Cond For 9-5/8 " Csg = Had to Incrementally Raise Mud Wt F/ 8.9 ppg To 9.4 ppg To Shut Off 1" Trona Water Flow. Slug Pipe.
13:00	1.50	14:30	6	TRIPS	TOH
14:30	3.00	17:30	22	LAY DOWN DIRECTIONAL	Lay Down BHA & Directional Tools.
17:30	2.50	20:00	12	RUN CASING & CEMENT	Clear Rig Floor Held Pre-Job Safety Mtg R/U Pick up Machine & Casing Tools.
20:00	5.50	01:30	12	RUN CASING & CEMENT	Run 9 5/8" 36#, J-55, STC Csg = Float Shoe, 1 Jt Csg, Float Collar, 23 Jts Csg. = 1047'. Tag Btm @ 1040', Rig Down Csg Tools,
01:30	1.00	02:30	12	RUN CASING & CEMENT	Circ & Condition For Cement. R/U Halliburton Lines.
02:30	2.50	05:00	12	RUN CASING & CEMENT	Pre-Job Safety Mtg, Cement 9 5/8 " Casing = Press Test Lines To 4200 Psi, Pump 5 Bbl Water, 40 Bbbl 9.2# super flush, 10 Bbl Water Ahead Of 100 sx Halcem Lead, 56 Bbl, Mixed @ 11.0 ppg 3.16 yld, 19.48 gps Water. Tail W/ 210 sx Halcem 50 Bbl, Mixed @ 14.8 ppg, 1.33 yld, 6.31 gps water. Drop Plug & Displace w/ 77 Bbl Fresh Water, Bumped Plug w/ 1025 Psi (500 Psi Over). Floats Held. 20 Bbl Cement To Surface. Cement Fell Back @ 20' in 1 Hour.
05:00	1.00	06:00	13	WAIT ON CEMENT	WOC. Rig Down Cement Lines & Equipment.

16-5D-46 BTR 1/3/2012 06:00 - 1/4/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	13	WAIT ON CEMENT	Drain Coductor Remove Halliburton Cmt Head. Pull & Laydown Conductor Pipe.
09:00	4.50	13:30	14	NIPPLE UP B.O.P	Cut -Off & Remove 9-5/8" Landing Jt., Make Final Cut - Install Cameron 9 5/8" x 11" 5M SOW Wellhead & Test.
13:30	3.00	16:30	14	NIPPLE UP B.O.P	Nipple Up 11" x 5M BOPE = Riser spool, Mud Cross, Double Gate Bop w/ Blinds On Btm. Annular, Rotating Head. All 11" x 5M.
16:30	3.50	20:00	15	TEST B.O.P	Set Test Plug - Press Test BOPE = Blind Rams, 4 1/2 Pipe Rams, Choke Manifold, Kill Line & Valves, Choke Line & Manifold Valves, HCR Valve, Floor Valves Upper & Lower IBOP For 500 Psi / 5Min Low & 5000 Psi/ 10 Min High. Test Annular 500 Psi / 5 Min Low & 2500 Psi/ 10 Min High.
20:00	1.50	21:30	8	REPAIR RIG	Co-Flex Hose On Choke Line At BOP Stack Failed During Final Test, Remove Hose In Prep For Replacement.
21:30	2.50	00:00	20	DIRECTIONAL WORK	M/U BHA #2 - Scribe Tools & Rack Back In Derrick = Mud Motor. 1.83 ABH, 7/8 Lobe, 2.1 Stg, .13 Rpg Hunting. 3 Pt Rmr, UBHO Sub, NMDC, 2 Gap Subs, EM Tool, 3 Pt Rmr,
00:00	1.00	01:00	9	CUT OFF DRILL LINE	Slip & Cut 96' Of Drlg Line.
01:00	0.50	01:30	7	LUBRICATE RIG	Service Rig
01:30	4.00	05:30	8	REPAIR RIG	Install Replacement Co-Flex Hose.
05:30	0.50	06:00	15	TEST B.O.P	Press Test Co-Flex Hose, 500 Psi/ 5 Min Low & 5000 Psi / 10 Min High. Press Test Casing To 1500 Psi/ 30 Min.

**16-5D-46 BTR 1/4/2012 06:00 - 1/5/2012 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	6.00	12:00	8	REPAIR RIG	Pressure Test On Replacement Co-Flex Failed. Replace Co-Flex Hose A 2nd Time,	
12:00	0.50	12:30	7	LUBRICATE RIG	Service Rig Top Drive	
12:30	2.00	14:30	15	TEST B.O.P	Pressure Test Co-Flex Hose 500 Psi Low- 5000 Psi High, O.K. Held Pressure Test On Csg 1500 Psi/ 30 Min.	
14:30	0.50	15:00	15	TEST B.O.P	Install Wear Bushing.	
15:00	2.00	17:00	6	TRIPS	TIH w/ BHA C/O NMDC, Tag Cement @ 977' (23' Cement Above F/C).	
17:00	1.00	18:00	22	DRILL CEMENT	Drill 23' of Cement - Float Collar @ 1000' Cement & shoe @ 1040' & 15' Formation.	
18:00	0.50	18:30	23	FIT TEST	Run FIT - Using BOP Test Equip. 10.5 ppg EMW, 120 Psi W/ 8.4 ppg Water Held 5 Min, Held O.K.	
18:30	8.50	03:00	2	DRILL ACTUAL	Steerable Drill Formation F/ 1055' To 1792' (737'). Took Gas Increase @ 1600' F/ 500 u To 8500 u - Mud Up To 34 Visc & Begin Raising Mud Wt.	
03:00	0.50	03:30	5	COND MUD & CIRC	Circ & Raise Mud Wt F/ 8.6 ppg To 9.0 ppg - To Lower Gas F/ 8500 u To 2000 u.	
03:30	2.50	06:00	2	DRILL ACTUAL	Steerable Drilling F/ 1792' To 1980' (188'). Wob 15k, Rpm 45, Motor 58, Gpm 450, SPP 600 Psi. Sliding To Control Angle & Azimuth.	

16-5D-46 BTR 1/5/2012 06:00 - 1/6/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	7.00	13:00	2	DRILL ACTUAL	Drlg 1980-2453'. 473' in 7 hrs 65 fph. Max inc 4.6* @ 278 azi.	
13:00	0.50	13:30			Rlg service, function BOP.	
13:30	16.50	06:00			Drlg 2453-3463'. 1010' in 16.5 hrs 61.2 fph. Drilled build sec. Currently 6.2* @ 9.4 azi.	

16-5D-46 BTR 1/6/2012 06:00 - 1/7/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	7.50	13:30	2	DRILL ACTUAL	Drlg 3463-4064'. 601' in 7.5 hrs 80 fph. Sliding 50%. 5.9* @ 21.5 azi.	
13:30	0.50	14:00	7	LUBRICATE RIG	Rlg service. Function BOP and change rotating head rubber.	
14:00	16.00	06:00	2	DRILL ACTUAL	Drlg 4064-4949'. 885' in 16 hrs 55 fph. sliding 30%. 5.9 @ 336 azi. MW 9.65 38 vis.	

16-5D-46 BTR 1/7/2012 06:00 - 1/8/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.00	15:00	2	DRILL ACTUAL	Drlg 4949-5392'. 443' in 9 hrs 50 fph avg. slid 184'. Increase MW to 10.2#.	
15:00	0.50	15:30	7	LUBRICATE RIG	Rlg service, function BOP.	
15:30	13.00	04:30	2	DRILL ACTUAL	Drlg 5392-5866'. 474' in 13 hrs. 36.5 fph. Still carrying 5-6K background gas. increase MW to 10.6#	
04:30	1.50	06:00	5	COND MUD & CIRC	Circulate and condition mud for TOH. Pump dry job. Blow down top drive and mudlines.	

16-5D-46 BTR 1/8/2012 06:00 - 1/9/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.50	09:30	6	TRIPS	TOH to change bit & motor.	
09:30	2.00	11:30	20	DIRECTIONAL WORK	Break out bit & L/D motor, P/U new. Orient dir tools.	
11:30	4.00	15:30	6	TRIPS	TIH, fill and circ BHA and every 1500'.	
15:30	0.50	16:00	3	REAMING	Wash to bottom from 5772'.	
16:00	14.00	06:00	2	DRILL ACTUAL	Resume drlg 5866-6530'. 664' in 14 hrs 47.5 FPH. MW 10.6 vis 40. 1.1* @ 230 azi.	

**16-5D-46 BTR 1/9/2012 06:00 - 1/10/2012 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.50	18:30	2	DRILL ACTUAL	Drlg 6530-7130'. (TD). Pump sweep.
18:30	0.50	19:00	5	COND MUD & CIRC	Circulate bottoms up.
19:00	2.50	21:30	6	TRIPS	Make wiper trip to 5800' and back to bottom.
21:30	1.00	22:30	5		pump sweep and circ till shakers clean up.
22:30	4.00	02:30	6	TRIPS	Review JSA and TOH for logs.
02:30	2.00	04:30	20	DIRECTIONAL WORK	Laydown Dir tools & MM & LOAD OUT.
04:30	1.50	06:00			Rlg up HES to log.

16-5D-46 BTR 1/10/2012 06:00 - 1/11/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	11	WIRELINE LOGS	HSM, rig up HES to log
08:30	4.50	13:00	11	WIRELINE LOGS	Run Quad-Combo w/volume log. Loggers depth 7125'. Rig down HES.
13:00	5.00	18:00	6	TRIPS	Stage in hole filling pipe and breaking circulation @ 1000', 2500' and 4600'. Got to bottom and wouldn't circulate.
18:00	6.00	00:00	5	COND MUD & CIRC	Mix and spot 150 bbl 25% lcm pill. TOH to 5400'. no circulation. Pull to 3600'. no circulation. Pull to 2800'. Regained circulation. Circ old mud out of hole.
00:00	4.50	04:30	21	OPEN	Stage in hole 1000' at a time. Circulate well out each time with 10.5# 15% LCM 52 vis mud. At 6300' at report time
04:30	1.50	06:00	5	COND MUD & CIRC	Circ and cond. Circulating to build consistent MW

16-5D-46 BTR 1/11/2012 06:00 - 1/12/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	5	COND MUD & CIRC	Finish staging in hole. Wt mud up to 10.6#, Background gas down to 1800 units.
13:00	9.00	22:00	6		HSM, rig up L/D machine. LDDP drillpipe, wt pipe and drill collars. Pull wear bushing.
22:00	8.00	06:00	12	RUN CASING & CEMENT	HSM. Rig up csg crew. Pickup and run 164 jts 5.5" 17# p110 csg with float equipment and marker jts. Fill casing and break circulation with clean 40 vis 10.5# mud as running.

16-5D-46 BTR 1/12/2012 06:00 - 1/13/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	Finish running csg. Land @ 7126'.
08:00	8.00	16:00	12	RUN CASING & CEMENT	Swedge up and circulate. Rlg down L/D machine & casing crew. HSM. Rig up HES and cmt in place with 605 sks 11# tuned light lead cmt and 550 sks 13.5# Econochem tail cmt. Displace with 163 bbls water with cla-fix and aldocide. 50 bbls cmt to sfc. Final pumping pressure 1000#, bump plug to 2450#. Bleed back 2 bbls. floats held
16:00	2.00	18:00	14	NIPPLE UP B.O.P	N/D BOP, Set slips @ 175K, 30K over string wt. Clen
18:00	9.00	03:00	1	RIGUP & TEARDOWN	Clean pit etc. Clean up from Closed mud system. Release rig @ 0300

16-5D-46 BTR 1/13/2012 06:00 - 1/14/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

16-5D-46 BTR 1/14/2012 06:00 - 1/15/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

16-5D-46 BTR 1/16/2012 06:00 - 1/17/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Bladed and cleaned location, Construction crews set tank battery rings.

16-5D-46 BTR 1/17/2012 06:00 - 1/18/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	LOCL	Lock Wellhead & Secure	Construction crews set treater and SCC, prep location to start building production facilities
10:00	2.00	12:00	IWHD	Install Wellhead	Safety meeting back hoe operator and well head tech, back filled cellar ring and mouse hole. Check pressures at the well head, Surface was on a slight vacuum, no pressure on the 5.5' csg. Removed 11" night cap, dressed 5.5" csg top, Installed 11" x 7 1/16" x 5k tbg head, with 2 1/16" gate valves. tested 11" flange and inner hanger seals to 5000# and pressure tested void section 5000 psi. good on. Secured well head with night cap.
12:00	18.00	06:00	LOCL	Lock Wellhead & Secure	Policed and secured location for the night.

16-5D-46 BTR 1/18/2012 06:00 - 1/19/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Well shut in and Secured.
08:00	0.50	08:30	SRIG	Rig Up/Down	MIRU SLB well line, N/D night cap, N/U wire line adapter, P/up gauge ring and logging tools,
08:30	3.00	11:30	LOGG	Logging	RIH and tag PBTD @ 6949', Float Collar @ 7039', 90' of fill in the hole. Called Denver to review PBTD depths. Completed repeat and tie in pass from 6949' to 6650' @ 60' fpm, using Open Hole log reference ran 1/10/12, (Spectral Density Dual Spaced Neutron Log.) applied 1000 # of pressure to 5.5" csg and ran main pass from 6949' to surface @ 60' fpm. Good cement Bond from 6949' to surface. L/D CCL/CBL/GR logging tools.
11:30	1.00	12:30	SRIG	Rig Up/Down	N/U night cap. R/D SLB and pressure test unit. Marker Joints Located @ 6835' to 6860', 5846' to 5867', 4942' to 4964',
12:30	3.00	15:30	GOP	General Operations	Construction crew con't to work on production battery.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	Secured location for the night.

16-5D-46 BTR 1/19/2012 06:00 - 1/20/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Construction crews are working on production facilities.

16-5D-46 BTR 1/20/2012 06:00 - 1/21/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Construction crews are working on production facilities.

16-5D-46 BTR 1/21/2012 06:00 - 1/22/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Construction crews are working on production facilities.

**16-5D-46 BTR 1/22/2012 06:00 - 1/23/2012 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, No Construction Activities...

16-5D-46 BTR 1/23/2012 06:00 - 1/24/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction crews can't to work on production facilities. Moved snow off of location, Set frac tanks on Kent Peatross water load out / Staging area.

16-5D-46 BTR 1/24/2012 06:00 - 1/25/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Set Frac tanks, Rigged up pump equipment at Peatross water load. Construction Crews continue to work on production facilities.

16-5D-46 BTR 1/25/2012 06:00 - 1/26/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	25.00	07:00	LOCL	Lock Wellhead & Secure	Well head shut in and secured. Set Frac tanks & 400 bbl upright. Set Flow back tanks. Finished rigging up tank farm on Peatross water load out. Hauled in KCl slurry mix. Construction crews finished with production battery.

16-5D-46 BTR 1/26/2012 06:00 - 1/27/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set frac mandrel & Frac Tree, pressure test casing, sand trap and flow back lines. Set storage tanks and fall protection line on frac tanks. Start hauling in frac water for Peatross Tank Farm and 6-32 staging area.

16-5D-46 BTR 1/27/2012 06:00 - 1/28/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Finished Filling Frac Line. Emptied Peatross Staging Area. Prod. Crew Finishing Up On Facilities. Last Report Until 02/01/2012.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 16-5D-46 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013508440000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/8/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well had first gas sales on 02/08/2012 and first oil sales on 02/11/2012.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 14, 2012

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 2/14/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 16-5D-46 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013508440000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/1/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

February 2012 monthly drilling activity report attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 07, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 3/5/2012

**16-5D-46 BTR 12/26/2011 15:00 - 12/27/2011 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	7.00	22:00	1	MOVE IN H&P #273	M/I H&P #273 - All DP & DCs On Location, 2-400 Bbl Upright Tanks, Bulk Bar Silo, Flare lines & Box. Misc Loads = 10 Total, Rigging Down Mud Pits & Back Yard.
22:00	8.00	06:00	22	WAIT ON DAYLIGHT	Break Tour / Wait On Daylight.

16-5D-46 BTR 12/27/2011 06:00 - 12/28/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	M/I H&P #273 - Rec'd 19 Loads; Lack Derrick & Substructure.
18:00	12.00	06:00	22	WAIT ON DAYLIGHT	Wait On Daylight.

16-5D-46 BTR 12/28/2011 06:00 - 12/29/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RIG UP H&P #273 - Held Pre-Job Safety Mtg W/ All Personnel. Set Mud Tanks, Mud Pumps,VFD & Engines, Fuel Tank & Boiler. Choke Manifold & Gas Buster. 90% Rig Is On Location, 50% Rigged Up.
18:00	12.00	06:00	22	WAIT ON DAYLIGHT	Wait On Daylight.

16-5D-46 BTR 12/29/2011 06:00 - 12/30/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	200 Ton Crane Was Out Of Service For The Entire Day Unable To Set Substructure Or Mast. Mobilized Replacement From Salt Lake City, Did Not Arrive Before Dark. Run Electrical Lines, Air & Steam Lines, Set Premix Tank,Bulk Bar Silo & 400 Bbl Upright Tank. Recieved Solids Control Equip For Closed Loop System This PM.
18:00	12.00	06:00	22	WAIT ON DAYLIGHT	Wait On Daylight.

16-5D-46 BTR 12/30/2011 06:00 - 12/31/2011 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	R/U H&P #273, Set Substructure,BOP Deck, Drawworks, Dog House, Assemble & Pin Derrick To Rig Floor,Extend Grass Hopper, Stroke & Pin Hydraulic Cylinders To Sub. Rig Up Trucks Finished Up. Derrick Still On Stand.
18:00	12.00	06:00	1	WAIT ON DAYLIGHT	Wait On Daylight.

16-5D-46 BTR 12/31/2011 06:00 - 1/1/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP H&P #273	Raise & Pin Derrick, Scope In & Store Mast Cylinders, Spool Line On Drum of dwks, Spool Line On Winches,Pin Top Drive To Blocks, C/O Grabber Dies,Fill Rig Water Tank, Mud Tanks, (Cement Water Tank W/ City Water) & 1600 Bbl In Storage Tanks. NOTE: Broke Tour
18:00	8.00	02:00	1	RIGUP	Install C Clamps & Hydraulic Lines, Skid Upper & Lower Substructure to Center Over Hole. Install Mud lines. Degasser & Mud Cleaner.
02:00	4.00	06:00	14	NIPPLE UP B.O.P	InStall Conductor Flowline - Mix Spud Mud, Run Solids Control Equip. Accept Rig On Daywork 02:00 1/1/2012.

16-5D-46 BTR 1/1/2012 06:00 - 1/2/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	21	Pre-Spud Ops	Install Fill up Line On Conductor Pipe, Thaw & Function Mud Cleaner, Pump Thru Shear Relief Lines On Mud Pumps To Clear Of Any Obstruction. Press Test Mud Lines To Top Drive To 3000 Psi, OK. Perform Pre-Spud Safety Check List.
13:00	2.00	15:00	22	P/U DCs & BHA	Pick Up 9 - 6 1/2" DCs & 3 HWDP & Rack Back In Drk.
15:00	3.00	18:00	22	P/U BHA	M/U BHA #1 = 12 1/4" PDC Bit, Hunting 1.83 BH Mud Motor,(7/8 Lobe, 8.06' Bit To Bend). Shock Tool, 3 Pt Rmr, UBHO Sub, NMDC, Gap Sub, 3 Pt Rmr, 2- 8" Steel DCs, Xo, 9- 6 1/2" Steel DCs Xo, 15 HWDP.
18:00	1.00	19:00	2	DRILL ACTUAL	Tag Up @ 97' RKB, Drill 7" Cement To 104' RKB Spud 12 1/4 " Surface Hole @ 18:00 Hr 1/1/12 . Drill Formation F/ 104' To 175' .
19:00	2.50	21:30	22	P/U BHA	P/U EM Tool , Orient/Scribe Tools, P/U 2-8" DCs.
21:30	8.50	06:00	2	DRILL ACTUAL	Drill Formation; 12-1/4" Surface Hole F/ 175' To 780' (605') Wob 15K, Rotary 45, Gpm 480- 570, Motor Rpm 80 - 95, SPP 240 - 350 Psi.

16-5D-46 BTR 1/2/2012 06:00 - 1/3/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	Steerable Drill f/ 780' To 1040' MTD Of Surface Hole. (260') Slide 91 Feet , To Control Angle.
10:00	3.00	13:00	5	COND MUD & CIRC	Circ & Cond For 9-5/8 " Csg = Had to Incrementally Raise Mud Wt F/ 8.9 ppg To 9.4 ppg To Shut Off 1" Trona Water Flow. Slug Pipe.
13:00	1.50	14:30	6	TRIPS	TOH
14:30	3.00	17:30	22	LAY DOWN DIRECTIONAL	Lay Down BHA & Directional Tools.
17:30	2.50	20:00	12	RUN CASING & CEMENT	Clear Rig Floor Held Pre-Job Safety Mtg R/U Pick up Machine & Casing Tools.
20:00	5.50	01:30	12	RUN CASING & CEMENT	Run 9 5/8" 36#, J-55, STC Csg = Float Shoe, 1 Jt Csg, Float Collar, 23 Jts Csg. = 1047'. Tag Btm @ 1040', Rig Down Csg Tools,
01:30	1.00	02:30	12	RUN CASING & CEMENT	Circ & Condition For Cement. R/U Halliburton Lines.
02:30	2.50	05:00	12	RUN CASING & CEMENT	Pre-Job Safety Mtg, Cement 9 5/8 " Casing = Press Test Lines To 4200 Psi, Pump 5 Bbl Water, 40 Bbl 9.2# super flush, 10 Bbl Water Ahead Of 100 sx Halcem Lead, 56 Bbl, Mixed @ 11.0 ppg 3.16 yld, 19.48 gps Water. Tail W/ 210 sx Halcem 50 Bbl, Mixed @ 14.8 ppg, 1.33 yld, 6.31 gps water. Drop Plug & Displace w/ 77 Bbl Fresh Water, Bumped Plug w/ 1025 Psi (500 Psi Over). Floats Held. 20 Bbl Cement To Surface. Cement Fell Back @ 20' in 1 Hour.
05:00	1.00	06:00	13	WAIT ON CEMENT	WOC. Rig Down Cement Lines & Equipment.

16-5D-46 BTR 1/3/2012 06:00 - 1/4/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	13	WAIT ON CEMENT	Drain Coductor Remove Halliburton Cmt Head. Pull & Laydown Conductor Pipe.
09:00	4.50	13:30	14	NIPPLE UP B.O.P	Cut -Off & Remove 9-5/8" Landing Jt., Make Final Cut - Install Cameron 9 5/8" x 11" 5M SOW Wellhead & Test.
13:30	3.00	16:30	14	NIPPLE UP B.O.P	Nipple Up 11" x 5M BOPE = Riser spool, Mud Cross, Double Gate Bop w/ Blinds On Btm. Annular, Rotating Head. All 11" x 5M.
16:30	3.50	20:00	15	TEST B.O.P	Set Test Plug - Press Test BOPE = Blind Rams, 4 1/2 Pipe Rams, Choke Manifold, Kill Line & Valves, Choke Line & Manifold Valves, HCR Valve, Floor Valves Upper & Lower IBOP For 500 Psi / 5Min Low & 5000 Psi/ 10 Min High. Test Annular 500 Psi / 5 Min Low & 2500 Psi/ 10 Min High.
20:00	1.50	21:30	8	REPAIR RIG	Co-Flex Hose On Choke Line At BOP Stack Failed During Final Test, Remove Hose In Prep For Replacement.
21:30	2.50	00:00	20	DIRECTIONAL WORK	M/U BHA #2 - Scribe Tools & Rack Back In Derrick = Mud Motor. 1.83 ABH, 7/8 Lobe, 2.1 Stg, .13 Rpg Hunting. 3 Pt Rmr, UBHO Sub, NMDC, 2 Gap Subs, EM Tool, 3 Pt Rmr,
00:00	1.00	01:00	9	CUT OFF DRILL LINE	Slip & Cut 96' Of Drlg Line.
01:00	0.50	01:30	7	LUBRICATE RIG	Service Rig
01:30	4.00	05:30	8	REPAIR RIG	Install Replacement Co-Flex Hose.
05:30	0.50	06:00	15	TEST B.O.P	Press Test Co-Flex Hose, 500 Psi/ 5 Min Low & 5000 Psi / 10 Min High. Press Test Casing To 1500 Psi/ 30 Min.

16-5D-46 BTR 1/4/2012 06:00 - 1/5/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	8	REPAIR RIG	Pressure Test On Replacement Co-Flex Hose A 2nd Time,
12:00	0.50	12:30	7	LUBRICATE RIG	Service Rig Top Drive
12:30	2.00	14:30	15	TEST B.O.P	Pressure Test Co-Flex Hose 500 Psi Low- 5000 Psi High, O.K. Held Pressure Test On Csg 1500 Psi/ 30 Min.
14:30	0.50	15:00	15	TEST B.O.P	Install Wear Bushing.
15:00	2.00	17:00	6	TRIPS	TIH w/ BHA C/O NMDC, Tag Cement @ 977' (23' Cement Above F/C).
17:00	1.00	18:00	22	DRILL CEMENT	Drill 23' of Cement - Float Collar @ 1000' Cement & shoe @ 1040' & 15' Formation.
18:00	0.50	18:30	23	FIT TEST	Run FIT - Using BOP Test Equip. 10.5 ppg EMW, 120 Psi W/ 8.4 ppg Water Held 5 Min, Held O.K.
18:30	8.50	03:00	2	DRILL ACTUAL	Steerable Drill Formation F/ 1055' To 1792' (737'). Took Gas Increase @ 1600' F/ 500 u To 8500 u - Mud Up To 34 Visc & Begin Raising Mud Wt.
03:00	0.50	03:30	5	COND MUD & CIRC	Circ & Raise Mud Wt F/ 8.6 ppg To 9.0 ppg - To Lower Gas F/ 8500 u To 2000 u.
03:30	2.50	06:00	2	DRILL ACTUAL	Steerable Drilling F/ 1792' To 1980' (188'). Wob 15k, Rpm 45, Motor 58, Gpm 450, SPP 600 Psi. Sliding To Control Angle & Azimuth.

16-5D-46 BTR 1/5/2012 06:00 - 1/6/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	2	DRILL ACTUAL	Drlg 1980-2453'. 473' in 7 hrs 65 fph. Max inc 4.6* @ 278 azi.
13:00	0.50	13:30			Rlg service, function BOP.
13:30	16.50	06:00			Drlg 2453-3463'. 1010' in 16.5 hrs 61.2 fph. Drilled build sec. Currently 6.2* @ 9.4 azi.

16-5D-46 BTR 1/6/2012 06:00 - 1/7/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.50	13:30	2	DRILL ACTUAL	Drlg 3463-4064'. 601' in 7.5 hrs 80 fph. Sliding 50%. 5.9* @ 21.5 azi.
13:30	0.50	14:00	7	LUBRICATE RIG	Rlg service. Function BOP and change rotating head rubber.
14:00	16.00	06:00	2	DRILL ACTUAL	Drlg 4064-4949'. 885' in 16 hrs 55 fph. sliding 30%. 5.9 @ 336 azi. MW 9.65 38 vis.

16-5D-46 BTR 1/7/2012 06:00 - 1/8/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	2	DRILL ACTUAL	Drlg 4949-5392'. 443' in 9 hrs 50 fph avg. slid 184'. Increase MW to 10.2#.
15:00	0.50	15:30	7	LUBRICATE RIG	Rlg service, function BOP.
15:30	13.00	04:30	2	DRILL ACTUAL	Drlg 5392-5866'. 474' in 13 hrs. 36.5 fph. Still carrying 5-6K background gas. increase MW to 10.6#
04:30	1.50	06:00	5	COND MUD & CIRC	Circulate and condition mud for TOH. Pump dry job. Blow down top drive and mudlines.

16-5D-46 BTR 1/8/2012 06:00 - 1/9/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	6	TRIPS	TOH to change bit & motor.
09:30	2.00	11:30	20	DIRECTIONAL WORK	Break out bit & L/D motor, P/U new. Orient dir tools.
11:30	4.00	15:30	6	TRIPS	TIH, fill and circ BHA and every 1500'.
15:30	0.50	16:00	3	REAMING	Wash to bottom from 5772'.
16:00	14.00	06:00	2	DRILL ACTUAL	Resume drlg 5866-6530'. 664' in 14 hrs 47.5 FPH. MW 10.6 vis 40. 1.1* @ 230 azi.

16-5D-46 BTR 1/9/2012 06:00 - 1/10/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.50	18:30	2	DRILL ACTUAL	Drlg 6530-7130'. (TD). Pump sweep.
18:30	0.50	19:00	5	COND MUD & CIRC	Circulate bottoms up.
19:00	2.50	21:30	6	TRIPS	Make wiper trip to 5800' and back to bottom.
21:30	1.00	22:30	5		pump sweep and circ till shakers clean up.
22:30	4.00	02:30	6	TRIPS	Review JSA and TOH for logs.
02:30	2.00	04:30	20	DIRECTIONAL WORK	Laydown Dir tools & MM & LOAD OUT.
04:30	1.50	06:00			Rlg up HES to log.

16-5D-46 BTR 1/10/2012 06:00 - 1/11/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	11	WIRELINE LOGS	HSM, rig up HES to log
08:30	4.50	13:00	11	WIRELINE LOGS	Run Quad-Combo w/volume log. Loggers depth 7125'. Rig down HES.
13:00	5.00	18:00	6	TRIPS	Stage in hole filling pipe and breaking circulation @ 1000', 2500' and 4600'. Got to bottom and wouldn't circulate.
18:00	6.00	00:00	5	COND MUD & CIRC	Mix and spot 150 bbl 25% lcm pill. TOH to 5400'. no circulation. Pull to 3600'. no circulation. Pull to 2800'. Regained circulation. Circ old mud out of hole.
00:00	4.50	04:30	21	OPEN	Stage in hole 1000' at a time. Circulate well out each time with 10.5# 15% LCM 52 vis mud. At 6300' at report time
04:30	1.50	06:00	5	COND MUD & CIRC	Circ and cond. Circulating to build consistent MW

16-5D-46 BTR 1/11/2012 06:00 - 1/12/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	5	COND MUD & CIRC	Finish staging in hole. Wt mud up to 10.6#, Background gas down to 1800 units.
13:00	9.00	22:00	6		HSM, rig up L/D machine. LDDP drillpipe, wt pipe and drill collars. Pull wear bushing.
22:00	8.00	06:00	12	RUN CASING & CEMENT	HSM. Rig up csg crew. Pickup and run 164 jts 5.5" 17# p110 csg with float equipment and marker jts. Fill casing and break circulation with clean 40 vis 10.5# mud as running.

16-5D-46 BTR 1/12/2012 06:00 - 1/13/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	Finish running csg. Land @ 7126'.
08:00	8.00	16:00	12	RUN CASING & CEMENT	Swedge up and circulate. Rig down L/D machine & casing crew. HSM. Rig up HES and cmt in place with 605 sks 11# tuned light lead cmt and 550 sks 13.5# Econochem tail cmt. Displace with 163 bbls water with cla-fix and aldocide. 50 bbls cmt to sfc. Final pumping pressure 1000#, bump plug to 2450#. Bleed back 2 bbls. floats held
16:00	2.00	18:00	14	NIPPLE UP B.O.P	N/D BOP, Set slips @ 175K, 30K over string wt. Clen
18:00	9.00	03:00	1	RIGUP & TEARDOWN	Clean pit etc. Clean up from Closed mud system. Release rig @ 0300

16-5D-46 BTR 1/13/2012 06:00 - 1/14/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

16-5D-46 BTR 1/14/2012 06:00 - 1/15/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

**16-5D-46 BTR 1/16/2012 06:00 - 1/17/2012 06:00**

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Bladed and cleaned location, Construction crews set tank battery rings.

16-5D-46 BTR 1/17/2012 06:00 - 1/18/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	LOCL	Lock Wellhead & Secure	Construction crews set treater and SCC, prep location to start building production facilities
10:00	2.00	12:00	IWHD	Install Wellhead	Safety meeting back hoe operator and well head tech, back filled cellar ring and mouse hole. Check pressures at the well head, Surface was on a slight vacuum, no pressure on the 5.5" csg. Removed 11" night cap, dressed 5.5" csg top, Installed 11" x 7 1/16" x 5k tbq head, with 2 1/16" gate valves. tested 11" flange and inner hanger seals to 5000# and pressure tested void section 5000 psi. good on. Secured well head with night cap.
12:00	18.00	06:00	LOCL	Lock Wellhead & Secure	Policed and secured location for the night.

16-5D-46 BTR 1/18/2012 06:00 - 1/19/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Well shut in and Secured.
08:00	0.50	08:30	SRIG	Rig Up/Down	MIRU SLB well line, N/D night cap, N/U wire line adapter, P/up gauge ring and logging tools,
08:30	3.00	11:30	LOGG	Logging	RIH and tag PBTD @ 6949', Float Collar @ 7039', 90' of fill in the hole. Called Denver to review PBTD depths. Completed repeat and tie in pass from 6949' to 6650' @ 60' fpm, using Open Hole log reference ran 1/10/12, (Spectral Density Dual Spaced Neutron Log.) applied 1000 # of pressure to 5.5" csg and ran main pass from 6949' to surface @ 60' fpm. Good cement Bond from 6949' to surface. L/D CCL/CBL/GR logging tools.
11:30	1.00	12:30	SRIG	Rig Up/Down	N/U night cap. R/D SLB and pressure test unit. Marker Joints Located @ 6835' to 6860', 5846' to 5867', 4942' to 4964',
12:30	3.00	15:30	GOP	General Operations	Construction crew can't to work on production battery.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	Secured location for the night.

16-5D-46 BTR 1/19/2012 06:00 - 1/20/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Construction crews are working on production facilities.

16-5D-46 BTR 1/20/2012 06:00 - 1/21/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Construction crews are working on production facilities.

16-5D-46 BTR 1/21/2012 06:00 - 1/22/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Construction crews are working on production facilities.

16-5D-46 BTR 1/22/2012 06:00 - 1/23/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, No Construction Activites...

16-5D-46 BTR 1/23/2012 06:00 - 1/24/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction crews can't to work on production facilities. Moved snow off of location, Set frac tanks on Kent Peatross water load out / Staging area.

16-5D-46 BTR 1/24/2012 06:00 - 1/25/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Set Frac tanks, Rigged up pump equipment at Peatross water load. Construction Crews continue to work on production facilities.

16-5D-46 BTR 1/25/2012 06:00 - 1/26/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	25.00	07:00	LOCL	Lock Wellhead & Secure	Well head shut in and secured. Set Frac tanks & 400 bbl upright. Set Flow back tanks. Finished rigging up tank farm on Peatross water load out. Hauled in KCl slurry mix. Construction crews finished with production battery.

16-5D-46 BTR 1/26/2012 06:00 - 1/27/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set frac mandrel & Frac Tree, pressure test casing, sand trap and flow back lines. Set storage tanks and fall protection line on frac tanks. Start hauling in frac water for Peatross Tank Farm and 6-32 staging area.

16-5D-46 BTR 1/27/2012 06:00 - 1/28/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Finished Filling Frac Line. Emptied Peatross Staging Area. Prod. Crew Finishing Up On Facilities. Last Report Until 02/01/2012.

16-5D-46 BTR 1/30/2012 06:00 - 1/31/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Continue to work on production facilities, Electrical hook up and insulting flow lines and production tanks.

16-5D-46 BTR 1/31/2012 06:00 - 2/1/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well head shut in and secured, Set mountain movers, filled up the remaining frac tanks on Peatross Staging area. Hauled in brine water,

16-5D-46 BTR 2/1/2012 06:00 - 2/2/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well head shut in and secured. Start heating frac water, hauled in frac sand. set light plants, fixed fill line set up.

16-5D-46 BTR 2/2/2012 06:00 - 2/3/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	LOCL	Lock Wellhead & Secure	Frac tree shut in and secured. Wait on crews to arrive on location.
10:00	2.00	12:00	SRIG	Rig Up/Down	Move in and rig up Halliburton frac equipment and SLB Wireline equipment.
12:00	3.50	15:30	PFRT	Perforating	Pressure tested wireline equipment to 3500 psi slight leak on wireline flange adapter, bled off pressure to fix leaking wireline line flange. Pressure test unit broke down do to operator error on over pressuring rupture disc. Release pressure tester. P/up Stg #1 Perf Guns, RIH with CCL & stg #1 perf guns, Completed depth correction to CCL using lower marker jt reference @ 6835' to 6860', dropped down to target depth and perf'd stg #1 interval from 6708' to 6939'. 51 holes shot in Stg #1. No change in well broe pressure.
15:30	2.00	17:30	SRIG	Rig Up/Down	PooH and secured spent gun in lubricator. L/D spent guns.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	Secured and Freeze protected frac tree for the night.

16-5D-46 BTR 2/3/2012 06:00 - 2/4/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	GOP	General Operations	Yard Call at 03:00 hrs, Frac crew travel to location. Started and primed pumps. Ran QA/QC fluid checks. 0 psi on the well. Safety meeting with Frac crew.
07:30	0.50	08:00	SMTG	Safety Meeting	Safety meeting with all contractors on location. Reviewed JSA and discussed all hazards on location, Safe Zone and Red zone around treating iron. Working around suspended loads and explosives, Designated muster & smoking area,
08:00	1.50	09:30	FRAC	Frac. Job	Pressure tested treating iron @ 9210 psi. 1 of 8, Stg's. Zone CR-4, 4A, & 5A. Open Well @ 07:50 Hrs, With 0 Csg psi, 300 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 8.1 bpm, 2914 psi. Started on 15%HCL @ 8.7 bpm 3070 psi, Pumped Bioballs @ 28.4 bpm 3070 psi. Total Bbls of 15% HCL Pump 93.3 bbls & Bio-Balls pumped 102. Started on 3% KCL Slick Water pad @ 70.6 bpm, 4065 psi. Open Perforation = 43 out of 51 shots, ISIP = 2038 psi, .74 Frac Gradient. Started on X-link pad @ 71.0 bpm, 3206 psi. Start 2#/ Gal 20/40 Prem White sand, 70.5 bpm, 3307 psi 2# 70.6 bpm, 3055 psi 2# On perfs bpm 70.6 @ 2940 psi 3# 70.6 bpm, 2940 psi 3# On perfs bpm 70.7 @ 2857 psi 3.5# 70.7 bpm, 2759 psi 3.5# On perfs bpm 70.8 @ 2698 psi 4# 70.7 bpm, 2683 psi 4# On perfs bpm 70.8 @ 2631 psi On Flush @ 71.8 bpm, 2701 psi. Open Perforation = 51 out of 51 shots, ISDP, 2133 psi, 0.75 Frac Gradient. Max Rate 71.1 bpm, Max Pressure 3373 psi. Avg Rate 70.8 bpm, Avg Pressure 3131 psi Total X-link fluids pumped: 64,664 gals Total Slick water Pad pumped: 65,101 gals Total fluid in bbls pumped: 3182 bbls Total Prem White Sand pumped, 20/40 = 155,903# Job was pumped as designed.
09:30	1.75	11:15	PFRT	Perforating	R/U E-line, P/up stg #2, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6697', with 1900 psi, pulled up and perforated stg #2 intervals from 6431' to 6677'. Place 45 holes, POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #2.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
11:15	1.50	12:45	FRAC	Frac. Job	Pressure tested treating iron @ 9102 psi. Stg # 2 of 8, Zone Stg CR-4, Open Well @ 11:29 Hrs, With 1901 Csg psi, 300 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 10.8 bpm, 2151 psi. Started on 15%HCL @ 10.5 bpm 2139 psi, Pumped Bioballs @ 30.5 bpm 2935 psi. Total Bbls of 15% HCL Pump 93.3 bbls & Bio-Balls pumped 90. Started on 3% KCL Slick Water pad @ 70.0 bpm, 3648 psi. Open Perforation = 44 out of 45 shots, ISIP = 2090 psi, .76 Frac Gradient. Started on X-link pad @ 71.1 bpm, 3431 psi. Start 2#/ Gal 20/40 Prem White sand, 71.4 bpm, 3436 psi 2# 71.4 bpm, 3434 psi 2# On perfs bpm 71.3 @ 3144 psi 3# 71.3 bpm, 3130 psi 3# On perfs bpm 71.4 @ 2942 psi 3.5# 71.5 bpm, 2840 psi 3.5# On perfs bpm 71.4 @ 2783 psi 4# 71.5 bpm, 2779 psi 4# On perfs bpm 71.4 @ 2728 psi On Flush @ 72.6 bpm, 2782 psi. Open Perforation = 45 out of 45 shots, ISDP, 71.9 psi, 0.77 Frac Gradient. Max Rate 71.9 bpm, Max Pressure 3451 psi. Avg Rate 71.4 bpm, Avg Pressure 3123 psi Total X-link fluids pumped: 69,376 gals Total Slick water Pad pumped: 67984 gals Total fluid in bbls pumped: 3359 bbls Total Prem White Sand pumped, 20/40 = 168,753# Job was completed as designed.
12:45	1.75	14:30	PFRT	Perforating	R/U E-line, P/up stg #3, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6420', with 2000 psi, pulled up and perforated stg #3 intervals from 6191' to 6398'. Placed 48 holes, POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #3.
14:30	1.50	16:00	FRAC	Frac. Job	Pressure tested treating iron @ 9210 psi. Stg # 3 of 8, Zone Stg CR-3, Water Temp @ 68°. Open Well @ 15:01 Hrs, With 1801 Csg psi, 300 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 10.3 bpm, 2032 psi. Started on 15%HCL @ 10.6 bpm 1992 psi, Pumped Bioballs @ 30.9 bpm 2373 psi. Total Bbls of 15% HCL Pump 93 bbls & Bio-Balls pumped 96. Started on 3% KCL Slick Water pad @ 71.9 bpm, 3435 psi. Open Perforation = 45 out of 48 shots, ISIP = 2072 psi, .77 Frac Gradient. Started on X-link pad @ 72.6 bpm, 3420 psi. Start 2#/ Gal 20/40 Prem White sand, 72.1 bpm, 3317 psi 2# 72.8 bpm, 3320 psi 2# On perfs bpm 72.8 @ 3201 psi 3# 72.8 bpm, 3100 psi 3# On perfs bpm 72.8 @ 2832 psi 3.5# 72.9 bpm, 2803 psi 3.5# On perfs bpm 73.0 @ 2770 psi 4# 73.0 bpm, 2766 psi 4# On perfs bpm 73.0 @ 2770 psi On Flush @ 73.9 bpm, 2852 psi. Open Perforation = 48 out of 48 shots, ISDP, 2271 psi, 0.80 Frac Gradient. Max Rate 73.1 bpm, Max Pressure 3447 psi. Avg Rate 72.7 bpm, Avg Pressure 3100 psi Total X-link fluids pumped: 67,649 gals Total Slick water Pad pumped: 68739 gals Total fluid in bbls pumped: 3329 bbls Total Prem White Sand pumped, 20/40 = 166497#, Job was completed as designed.
16:00	0.50	16:30	GOP	General Operations	Replace 4" leaking ground valve. Re-pressure tested ground valve, Turned well over to e-line crew.
16:30	1.25	17:45	PFRT	Perforating	R/U E-line, P/up stg #4, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6185', with 2000 psi, pulled up and perforated stg #4 intervals from 6012' to 6168'. Placed 48 holes. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #4 in the am.
17:45	12.25	06:00	LOCL	Lock Wellhead & Secure	Secured and freeze protected frac tree for the night. Continued to fill frac tanks on location and re-filled & heat water on Peatross staging area.

16-5D-46 BTR 2/4/2012 06:00 - 2/5/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.59	06:35	GOP	General Operations	HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Hold Safety Meeting. Ran QC On Fluid, Looks Good.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:35	1.33	07:55	FRAC	Frac. Job	Open Well. ICP - 1857 Psi. Frac Stage 4. BreakDown At 11.4 Bpm And 2288 Psi.. Pump 3900 Gals. 15% HCL And 96 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilized Rate 71.0 Bpm, Pressure 4600 Psi. ShutDown, Isip 2207 Psi., .80 F.G., 27/48 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad, Stage Into 2,3,3.5 And 4# 20/40 White Sand Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2283 Psi., .82 F.G.. Shut In Well. Total Clean Fluid 137,061 Gals./ 3263 Bbls. Total 20/40 White 162,500# BWTR 3427 Bbls. Avg. Rate 70.5 Bpm Max Rate 70.8 Bpm Avg. Pres 3700 Psi Max. Pres 4277 Psi
07:55	0.34	08:15	CTUW	W/L Operation	Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equilaize And Open.
08:15	1.17	09:25	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/Dual Spaced Neutron Dated 01-10-2012 And SLB CBL/CCL Dated 01-18-2012. Found And Correlated To Marker Joints At 5846 - 5867' And 4942 - 4964'. Drop Down To Depth, Set CBP At 6,005'. Pull Up And Shoot Stage 5 CR-2/Wasatch Zone As Follows; 5817 - 18, 5833 - 34, 5845 - 46, 5867 - 68, 5877 - 78, 5885 - 86, 5904 - 05, 5921 - 22, 5931 - 32, 5942 - 43, 5946 - 48, 5963 - 64, 5973 - 74, 5988 - 90. 48 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
09:25	0.16	09:35	GOP	General Operations	Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure.
09:35	1.42	11:00	FRAC	Frac. Job	Open Well. ICP - 1678 Psi. Frac Stage 5. BreakDown At 10.5 Bpm And 1837 Psi.. Pump 3900 Gals. 15% HCL And 96 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilized Rate 70.5 Bpm, Pressure 3082 Psi. ShutDown, Isip 1896 Psi., .76 F.G., 45/48 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad, Stage Into 2,3,3.5 And 4# 20/40 White Sand Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2087 Psi., .79 F.G.. Shut In Well. Total Clean Fluid 149,406 Gals./ 3557 Bbls. Total 20/40 White 175,000# BWTR 3746 Bbls. Avg. Rate 71.1 Bpm Max Rate 71.4 Bpm Avg. Pres 2944 Psi Max. Pres 3264 Psi
11:00	0.33	11:20	CTUW	W/L Operation	Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equilaize And Open.
11:20	1.17	12:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/Dual Spaced Neutron Dated 01-10-2012 And SLB CBL/CCL Dated 01-18-2012. Found And Correlated To Marker Joints At 4942 - 4964'. Drop Down To Depth, Set CBP At 5,808'. Pull Up And Shoot Stage 6 CR-1/UteLand Butte Zone As Follows; 5562 - 63, 5583 - 84, 5603 - 04, 5627 - 28, 5643 - 44, 5658 - 59, 5667 - 68, 5692 - 93, 5711 - 12, 5733 - 34, 5745 - 46, 5755 - 56, 5767 - 68, 5785 - 86. 42 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
12:30	0.17	12:40	GOP	General Operations	Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure.
12:40	1.41	14:05	FRAC	Frac. Job	Open Well. ICP - 1582 Psi. Frac Stage 6. BreakDown At 10.5 Bpm And 2017 Psi.. Pump 3900 Gals. 15% HCL And 78 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilized Rate 70.6 Bpm, Pressure 3300 Psi. ShutDown, Isip 1679 Psi., .74 F.G., 35/42 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad With 100 Mesh At 1#, Stage Into 1, 2,3,3.5 And 4# 20/40 White Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 1796 Psi., .76 F.G.. Shut In Well. Total Clean Fluid 150,992 Gals./3595 Bbls. Total Sand 187,200# 20/40 White 167,200# 100 Mesh 20,000# BWTR 3815 Bbls. Avg. Rate 72.0 Bpm Max Rate 72.3 Bpm Avg. Pres 2911 Psi Max. Pres 3399 Psi
14:05	0.25	14:20	CTUW	W/L Operation	Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equilaize And Open.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:20	1.17	15:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/Dual Spaced Neutron Dated 01-10-2012 And SLB CBL/CCL Dated 01-18-2012. Found And Correlated To Marker Joints At 4942 - 4964'. Drop Down To Depth, Set CBP At 5,546'. Pull Up And Shoot Stage 7 Castle Peak Zone As Follows; 5308 - 09, 5316 - 17, 5330 - 31, 5339 - 40, 5349 - 50, 5363 - 64, 5389 - 90, 5405 - 06, 5419 - 20, 5428 - 29, 5445 - 46, 5463 - 64, 5479 - 80, 5501 - 02, 5525 - 26. 45 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
15:30	2.50	18:00	GOP	General Operations	HES And SLB ShutDown And Secure Equipment.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Refill Frac Line. SDFD.

16-5D-46 BTR 2/5/2012 06:00 - 2/6/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	GOP	General Operations	HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Hold Safety Meeting. Ran QC On Fluid, Looks Good.
06:30	1.50	08:00	FRAC	Frac. Job	Open Well. ICP - 1410 Psi. Frac Stage 7. BreakDown At 10.5 Bpm And 1818 Psi.. Pump 3900 Gals. 15% HCL And 90 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilized Rate 72.0 Bpm, Pressure 4025 Psi. ShutDown, Isip 1580 Psi., .73 F.G., 27/45 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad With 100 Mesh At 1#, Stage Into 1, 2,3,3.5 And 4# 20/40 White Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 1718 Psi., .76 F.G.. Shut In Well. Total Clean Fluid 149,709 Gals./3565 Bbls. Total Sand 187,300# 20/40 White 167,300# 100 Mesh 20,000# BWTR 3730 Bbls. Avg. Rate 71.7 Bpm Max Rate 72.4 Bpm Avg. Pres 2958 Psi Max. Pres 3613 Psi
08:00	0.25	08:15	CTUW	W/L Operation	Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equaize And Open.
08:15	2.42	10:40	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/Dual Spaced Neutron Dated 01-10-2012 And SLB CBL/CCL Dated 01-18-2012. Found And Correlated To Marker Joints At 4942 - 4964'. Drop Down To Depth, Set CBP At 5,300'. Pull Up And Shoot Stage 8 BlackShale Zone As Follows; 5089 - 90, 5098 - 99, 5109 - 10, 5125 - 26, 5143 - 44, 5170 - 71, 5189 - 90, 5203 - 04, 5213 - 14, 5233 - 34, 5253 - 54, 5257 - 58, 5267 - 68, 5273 - 74, 5283 - 84. 45 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
10:40	0.25	10:55	GOP	General Operations	Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure.
10:55	1.25	12:10	FRAC	Frac. Job	Open Well. ICP - 1198 Psi. Frac Stage 8. BreakDown At 10.4 Bpm And 1394 Psi.. Pump 3900 Gals. 15% HCL And 90 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilized Rate 71.1 Bpm, Pressure 3100 Psi. ShutDown, Isip 1353 Psi., .70 F.G., 33/45 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad With 100 Mesh At 1#, Stage Into 1, 2,3,3.5 And 4# 20/40 White Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 1538 Psi., .74 F.G.. Shut In Well. Total Clean Fluid 129,632 Gals./3086 Bbls. Total Sand 149,500# 20/40 White 131,480# 100 Mesh 18,020# BWTR 3239 Bbls. Avg. Rate 72.2 Bpm Max Rate 73.3 Bpm Avg. Pres 2599 Psi Max. Pres 3034 Psi
12:10	0.42	12:35	CTUW	W/L Operation	Turn Well Over To W/L, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equaize And Open.
12:35	1.17	13:45	WLWK	Wireline	RIH With 3 1/8" Baker 20 And HES FAS Drill Plug .Correlating To HES Spectral Density/Dual Spaced Neutron Dated 01-10-2012 And SLB CBL/CCL Dated 01-18-2012. Found And Correlated To Marker Joints At 4942 - 4964'. Drop Down To Depth, Set CBP At 5,030'. Pooh. LD Tools. WSI And Secured.
13:45	2.50	16:15	SRIG	Rig Up/Down	RigDown HES And SLB. Move Off Location.
16:15	13.75	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

16-5D-46 BTR 2/6/2012 06:00 - 2/7/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	2.00	09:30	GOP	General Operations	Set Anchors, RD water transfer line.
09:30	1.00	10:30	SRIG	Rig Up/Down	MIRU w/o Rig.
10:30	1.00	11:30	BOPI	Install BOP's	ND Goat Head & Frac Tree, NU 7 1/16" 5K BOP & 7 1/16" 5K Flow Cross, & 7 1/16" 5K Annular. Function Testl. Change out pipe rams for 2 3/8".
11:30	2.50	14:00	SRIG	Rig Up/Down	RU work Floor & Tbg. equip. Unload Tbg. 228 Jts. of 2 3/8" 4.7#, L80 EUE
14:00	2.50	16:30	RUTB	Run Tubing	PU BHA & Tbg. Tag Kill Plug @ 5030'. Lay down 5 Jts.
16:30	0.50	17:00	SRIG	Rig Up/Down	RU Power Swivel.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	Secure well, SDFN.

16-5D-46 BTR 2/7/2012 06:00 - 2/8/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting.
07:30	0.50	08:00	GOP	General Operations	Make connections to Plug.
08:00	9.50	17:30	DOPG	Drill Out Plugs	Establish Circ. w/ Rig pump. @ 1.5 Bbls./min. Drill out plugs as follows: Plg. @ 5030' Csg.- Plg. @ 5300' Csg.-650# Plg. @ 5546' 40' of sand. Csg.-900# Plg. @ 5808' 45' of sand. Csg.-1000# Plg. @ 6005' 40' of sand. Csg.-1050# Plg. @ 6185' 35' of sand. Csg.-1000# Plg. @ 6420' 50' of sand. Csg.-1050# Plg. @ 6697' 45' of sand. Csg.-1050# Clean out to FC @ 7039' 55' of sand. Csg.-1050# Circulate bottoms up @ 2 Bbls./min. Recovered 160 Bbls. for bottoms up.
17:30	0.50	18:00	SRIG	Rig Up/Down	RD Power Swivel.
18:00	0.50	18:30	PULT	Pull Tubing	Lay down 15 Jts.
18:30	0.50	19:00	GOP	General Operations	Drain up all Fluid equip., Blow flowback lines dry. Tarp in and secure well.
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	WSI. SDFN.

16-5D-46 BTR 2/8/2012 06:00 - 2/9/2012 06:00

API/UWI 43-013-50844	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,130.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	1.00	08:30	PULT	Pull Tubing	Cont. lay down tbg. to landing depth.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
08:30	1.50	10:00	GOP	General Operations	PU Hanger, Wash bowl w/ 5 Bbls. Stage hanger thru BOP stack. Pull test 10k over string weight. Had a difficult time sliding thru annular not enough weight. Land Tbg. as follows: Tubing Des: Tubing - ProductionSet Depth (ftKB): 5,078.0Run Date: 2012/02/08 18:00 Pull Date: Tubing Components JtsItem DesOD (in)ID (in)Wt (lb/ft)GradeLen (ft)Top (ftKB) 1Tubing Hanger52.441L-800.4400.4 158Tubing2 3/81.9954.6N-805,010.810.4 5,011.30 1Profile Nipple2 3/81.9954.6N-801.155,011.30 5,012.40 1Tubing2 3/81.9954.6N-8031.735,012.40 5,044.10 1XN Nipple2 3/81.9954.6N-801.255,044.10 5,045.40 1Tubing2 3/81.9954.6N-8031.75,045.40 5,077.10 1Pump Off Bit Sub3 1/82.4416.50.955,077.10 5,078.00
10:00		10:00	BOPR	Remove BOP's	ND BOP, NU Produciton Tree.
10:00		10:00	GOP	General Operations	Tie in sand trap to sales. Drop ball pump off bit & chase w/ 30 Bbls. @ 4 Bbls./min.
10:00		10:00	SRIG	Rig Up/Down	RDMO w/o Rig.
10:00		10:00	FBCK	Flowback Well	Put well on Production.

RECEIVED

MAR 01 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

AMENDED REPORT ☐
(highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
16-5D-46 BTR9. API NUMBER:
430135084410. FIELD AND POOL, OR WILDCAT
ALTAMONT11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SESE 5 4S 6W U12. COUNTY
DUCHESSNE13. STATE
UTAH

1a. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐DRY ☐OTHER ☐

b. TYPE OF WORK:

NEW
WELL ☒HORIZ.
LATS. ☐DEEP-
EN ☐RE-
ENTRY ☐DIFF.
RESVR. ☐OTHER ☐

2. NAME OF OPERATOR:

BILL BARRETT CORPORATION

3. ADDRESS OF OPERATOR:

1099 18th St. Ste. 2300 Denver

CO 80202

PHONE NUMBER:

(303) 299-9949

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 644 FSL 833 FEL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 905 FSL 802 FEL

AT TOTAL DEPTH: 864 FSL 833 FEL BAL by HSM

14. DATE SPUNDED:
10/27/201115. DATE T.O. REACHED:
1/9/201216. DATE COMPLETED:
2/8/2012ABANDONED ☐READY TO PRODUCE ☒17. ELEVATIONS (OF, RKB, RT, GL):
5760' GL18. TOTAL DEPTH: MD 7,130
TVD 7,11219. PLUG BACK T.D.: MD 7,041
TVD 7,024.3

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL, Triple Combo, Borehole, Mud

23.

WAS WELL CORED?

NO ☒YES ☐

(Submit analysis)

WAS DST RUN?

NO ☒YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☒

(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 cond	65#	0	104	104			0	
12 1/4	9 5/8 J-55	36#	0	1,047	1,040	310	104	0	
8 3/4	5 1/2 P110	17#	0	7,130	7,122	1155	390	1270	15000

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	5,078							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) GREEN RIVER	5,089	5,786	5,034	5,698	5,089 5,786	0.44	132	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WASATCH	5,817	6,939	5,887	6,929	5,817 6,939	0.44	240	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5089 TO 5786	GREEN RIVER: SEE TREATMENT STAGES 6 - 8
5817 TO 6939	WASATCH: SEE TREATMENT STAGES 1 - 5

29. ENCLOSED ATTACHMENTS:



ELECTRICAL/MECHANICAL LOGS



GEOLOGIC REPORT



DST REPORT



DIRECTIONAL SURVEY



SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION



CORE ANALYSIS



OTHER: _____

30. WELL STATUS:

PR

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 2/8/2012		TEST DATE: 12/15/2012		HOURS TESTED: 24		TEST PRODUCTION RATES →	OIL - BBL: 555	GAS - MCF: 1,061	WATER - BBL: 606	PROD. METHOD: FLOWING
CHOKE SIZE: 28/64	TBG. PRESS. 745	CSG. PRESS. 1,704	API GRAVITY 52.00	BTU - GAS	GAS/OIL RATIO 1,912	24 HR PRODUCTION RATES →	OIL - BBL: 555	GAS - MCF: 1,061	WATER - BBL: 606	INTERVAL STATUS: POW

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	1,327
				MAHOGANY	1,960
				DOUGLAS CREEK	4,189
				BLACK SHALE	5,088
				CASTLE PEAK	5,250
				UTELAND BUTTE	5,559
				CR1	5,655
				WASATCH	5,809
				TD	7,130

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC was calculated by CBL. Conductor was cemented with grout. Attached is Treatment Data.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Megan FinneganTITLE Permit AnalystSIGNATURE DATE 3/1/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20 Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top -- Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

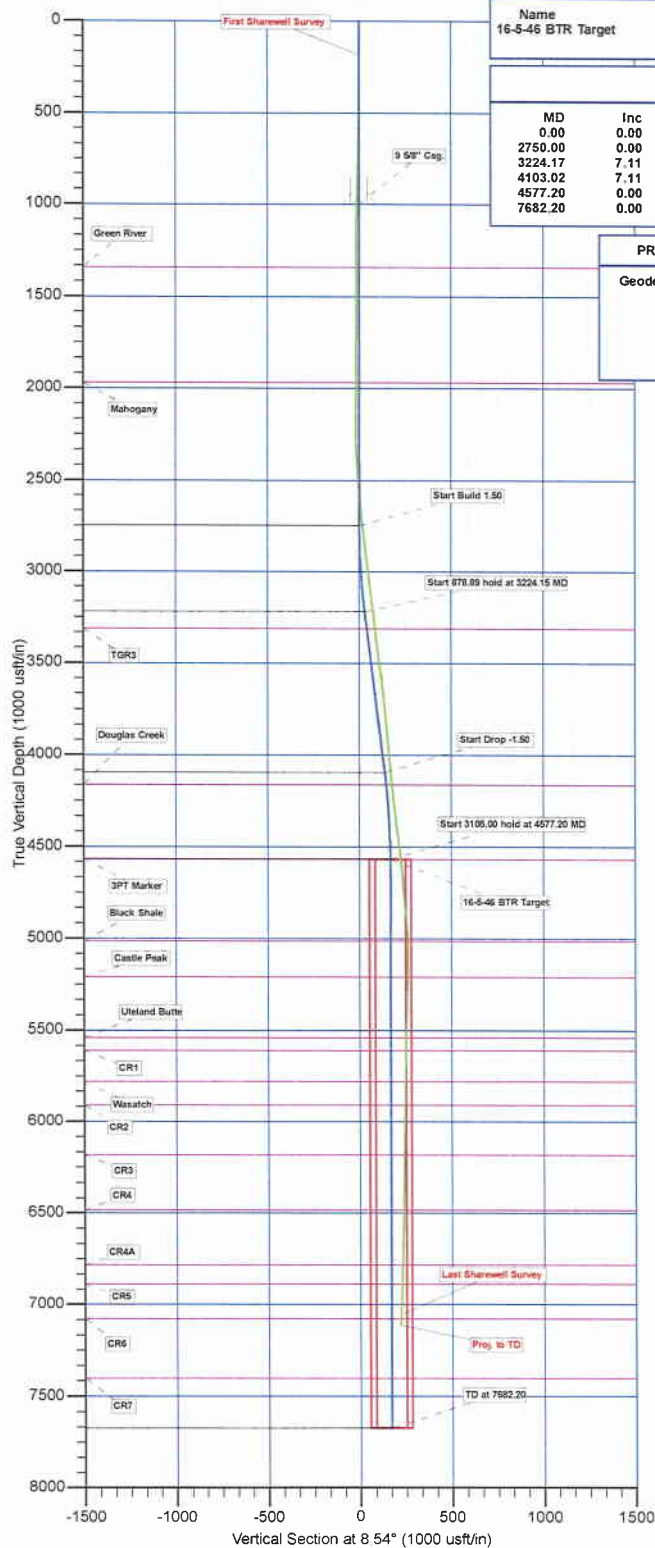
Fax: 801-359-3940

RECEIVED

MAR 01 2012

DIV. OF OIL, GAS & MINING

Bill Barrett Corp.
Project: Duchesne Co., UT (NAD27)
Site: Sec.5-T4S-R6W
Well: 16-5D-46 BTR
Wellbore: Wellbore #1
Design: Design #1
Latitude: 40° 9' 23.101 N
Longitude: 110° 34' 47.100 W
Ground Level: 5759.00
WELL @ 5783.00usft



WELL DETAILS: 16-5D-46 BTR																			
+N/-S 0.00		+E/-W 0.00		Northing 665343.503		Ground Level: 5759.00 Easting 2257211.034		Latitude 40° 9' 34.101 N		Longitude 110° 34' 47.100 W		Slot							
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)																			
Name 16-5-46 BTR Target		TVD 4568.00		+N/-S 165.75		+E/-W 24.88		Latitude 40° 9' 24.739 N		Longitude 110° 34' 46.780 W		Shape Rectangle (Sides: L200.00 W200.00)							
SECTION DETAILS																			
MD		Inc		Azi		TVD		+N/-S		+E/-W		Dleg		TFace		VSect		Annotation	
0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00			
2750.00		0.00		0.00		2750.00		0.00		0.00		0.00		0.00		0.00		Start Build 1.50	
3224.17		7.11		8.54		3222.95		29.07		4.36		1.50		8.54		29.39		Start 878.89 hold at 3224.15 MD	
4103.02		7.11		8.54		4095.04		136.68		20.51		0.00		0.00		138.21		Start Drop -1.50	
4577.20		0.00		0.00		4568.00		165.75		24.88		1.50		180.00		167.61		Start 3105.00 hold at 4577.20 MD	
7682.20		0.00		0.00		7673.00		165.75		24.88		0.00		0.00		167.61		TD at 7682.20	

PROJECT DETAILS: Duchesne Co., UT (NAD27)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

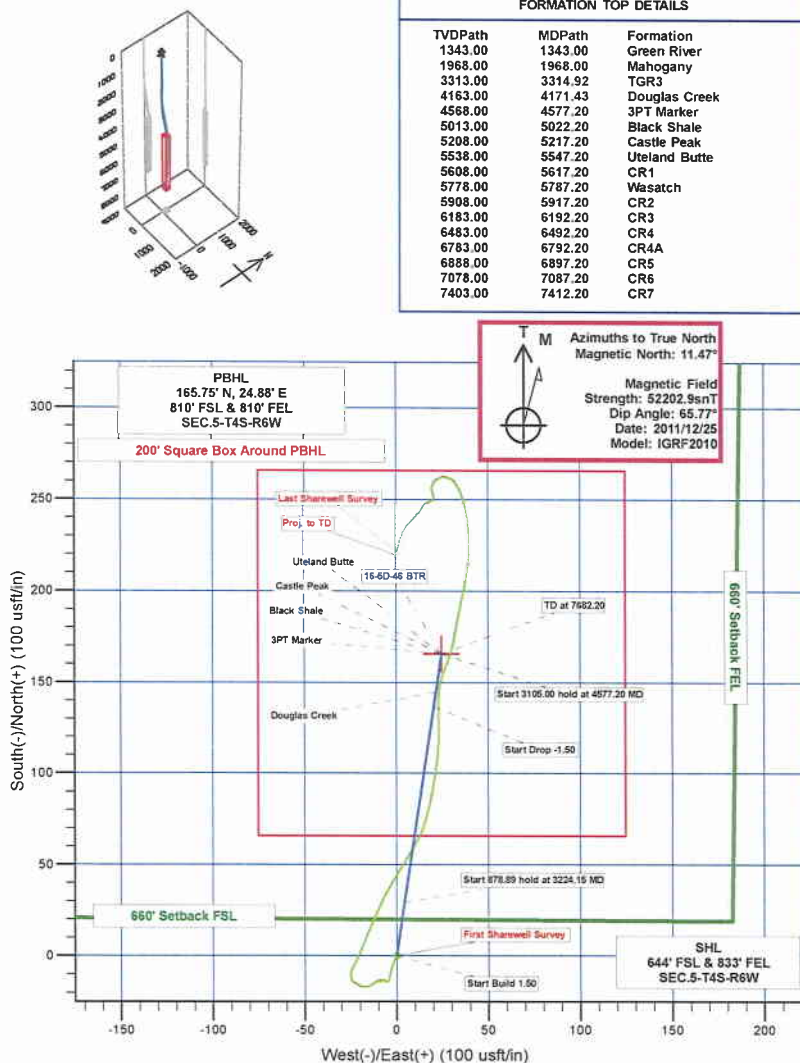
System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (NE) Reference: Well 16-5D-46 BTR, True North
Vertical (TVD) Reference: WELL @ 5783.00usft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5783.00usft
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVP4th	M3P4th	Formation
1343.00	1343.00	Green River
1968.00	1968.00	Mahogany
3313.00	3313.92	T5R3
1163.00	4171.43	Douglas Creek
4568.00	4577.20	3PT Marker
5013.00	5022.20	Black Shale
5208.00	5217.20	Castle Peak
5538.00	5547.20	Uteland Butte
5608.00	5617.20	CR1
5778.00	5787.20	Wasatch
5908.00	5917.20	CR2
6183.00	6192.20	CR3
6483.00	6492.20	CR4
6783.00	6792.20	CR4A
6888.00	6897.20	CR5
7078.00	7087.20	CR6
7403.00	7412.20	CR7



Plan: Design #1 (16-5D-46 BTR/Wellbore #1)

Created By: BRET WOLFORD Date: 8:35, January 10 2012



Bill Barrett Corporation

Bill Barrett Corp.

Duchesne Co., UT (NAD27)

Sec.5-T4S-R6W

16-5D-46 BTR

Wellbore #1

Survey: Survey #1

Standard Survey Report

10 January, 2012

RECEIVED

MAR 01 2012

DIV. OF OIL, GAS & MINING





Sharewell Energy Services, LP
Survey Report



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well 16-5D-46 BTR
Project:	Duchesne Co., UT (NAD27)	TVD Reference:	WELL @ 5783.00usft
Site:	Sec.5-T4S-R6W	MD Reference:	WELL @ 5783.00usft
Well:	16-5D-46 BTR	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Duchesne Co., UT (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site		Sec.5-T4S-R6W			
Site Position:		Northing:	665,343.516 usft	Latitude:	40° 9' 23.101 N
From:	Lat/Long	Easting:	2,257,211.034 usft	Longitude:	110° 34' 47.100 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.59 °

Well	16-5D-46 BTR					
Well Position	+N/-S	0.00 usft	Northing:	665,343.503 usft	Latitude:	40° 9' 23.101 N
	+E/-W	0.00 usft	Easting:	2,257,211.034 usft	Longitude:	110° 34' 47.100 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,759.00 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/12/25	11.47	65.77	52,203

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	8.54	

Survey Program	Date 2012/01/10			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
185.00	7,130.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First Sharewell Survey									
185.00	0.00	217.60	185.00	0.00	0.00	0.00	0.00	0.00	0.00
277.00	0.00	7.40	277.00	0.00	0.00	0.00	0.00	0.00	0.00
371.00	0.10	274.90	371.00	0.01	-0.08	-0.01	0.11	0.11	0.00
463.00	0.70	202.31	463.00	-0.51	-0.38	-0.56	0.74	0.65	-78.90
554.00	0.80	202.20	553.99	-1.61	-0.83	-1.71	0.11	0.11	-0.12
645.00	1.10	207.90	644.98	-2.97	-1.47	-3.15	0.35	0.33	6.26
737.00	1.40	200.50	736.96	-4.80	-2.28	-5.09	0.37	0.33	-8.04
828.00	2.50	191.60	827.90	-7.79	-3.07	-8.16	1.25	1.21	-9.78
923.00	1.40	194.50	922.84	-10.94	-3.78	-11.38	1.16	-1.16	3.05
975.00	0.80	193.70	974.84	-11.91	-4.02	-12.37	1.15	-1.15	-1.54
1,071.00	0.10	159.80	1,070.83	-12.64	-4.15	-13.11	0.75	-0.73	-35.31



Sharewell Energy Services, LP
Survey Report



Company: Bill Barrett Corp.
Project: Duchesne Co., UT (NAD27)
Site: Sec.5-T4S-R6W
Well: 16-5D-46 BTR
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well 16-5D-46 BTR
TVD Reference: WELL @ 5783.00usft
MD Reference: WELL @ 5783.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,165.00	1.10	198.70	1,164.83	-13.57	-4.41	-14.07	1.09	1.06	41.38
1,260.00	0.40	287.50	1,259.82	-14.33	-5.02	-14.92	1.22	-0.74	93.47
1,355.00	0.70	245.00	1,354.81	-14.48	-5.86	-15.19	0.51	0.32	-44.74
1,449.00	1.40	356.60	1,448.80	-13.58	-6.45	-14.38	1.89	0.74	118.72
1,543.00	1.80	241.20	1,542.78	-13.14	-7.81	-14.15	2.89	0.43	-122.77
1,638.00	0.80	78.70	1,637.77	-13.73	-8.47	-14.83	2.71	-1.05	-171.05
1,733.00	1.70	269.60	1,732.76	-13.61	-9.23	-14.83	2.62	0.95	-178.00
1,828.00	1.30	133.90	1,827.75	-14.37	-9.86	-15.67	2.93	-0.42	-142.84
1,923.00	1.80	35.80	1,922.73	-13.90	-8.21	-14.97	2.49	0.53	-103.26
2,017.00	2.20	255.50	2,016.70	-13.16	-9.10	-14.36	4.01	0.43	-149.26
2,111.00	3.70	229.40	2,110.58	-15.58	-13.15	-17.36	2.10	1.60	-27.77
2,206.00	4.60	278.20	2,205.36	-17.04	-19.25	-19.70	3.71	0.95	51.37
2,301.00	4.00	330.00	2,300.12	-13.62	-24.68	-17.13	3.99	-0.63	54.53
2,396.00	2.50	29.00	2,394.99	-8.94	-25.33	-12.60	3.64	-1.58	62.11
2,490.00	4.30	29.60	2,488.82	-4.08	-22.59	-7.39	1.92	1.91	0.64
2,585.00	5.40	19.80	2,583.48	3.22	-19.32	0.32	1.45	1.16	-10.32
2,680.00	7.10	24.00	2,677.91	12.79	-15.42	10.36	1.85	1.79	4.42
2,775.00	6.00	22.00	2,772.29	22.76	-11.17	20.85	1.18	-1.16	-2.11
2,870.00	6.70	27.10	2,866.71	32.30	-6.79	30.93	0.95	0.74	5.37
2,965.00	7.40	32.20	2,960.99	42.41	-1.00	41.79	0.99	0.74	5.37
3,060.00	7.80	31.00	3,055.16	53.11	5.58	53.35	0.45	0.42	-1.26
3,154.00	6.40	28.40	3,148.43	63.19	11.36	64.17	1.53	-1.49	-2.77
3,249.00	7.60	17.50	3,242.73	73.84	15.76	75.36	1.88	1.26	-11.47
3,344.00	6.20	9.40	3,337.04	84.89	18.49	86.69	1.79	-1.47	-8.53
3,438.00	7.80	10.80	3,430.34	96.16	20.52	98.14	1.71	1.70	1.49
3,533.00	8.60	6.00	3,524.37	109.56	22.47	111.68	1.11	0.84	-5.05
3,628.00	6.70	359.90	3,618.52	122.17	23.20	124.26	2.17	-2.00	-6.42
3,723.00	5.70	0.10	3,712.96	132.43	23.20	134.40	1.05	-1.05	0.21
3,817.00	5.40	0.30	3,806.52	141.52	23.23	143.40	0.32	-0.32	0.21
3,912.00	5.00	13.50	3,901.13	150.01	24.22	151.95	1.32	-0.42	13.89
4,007.00	5.90	21.50	3,995.70	158.58	26.98	160.83	1.24	0.95	8.42
4,102.00	4.70	17.70	4,090.29	166.83	29.95	169.43	1.32	-1.26	-4.00
4,197.00	5.80	9.10	4,184.90	175.28	31.89	178.07	1.42	1.16	-9.05
4,292.00	7.30	11.40	4,279.27	185.94	33.84	188.90	1.60	1.58	2.42
4,386.00	6.60	12.00	4,372.58	197.08	36.15	200.26	0.75	-0.74	0.64
4,481.00	7.60	10.10	4,466.85	208.60	38.38	211.99	1.08	1.05	-2.00
4,576.00	6.70	3.00	4,561.11	220.32	39.78	223.79	1.33	-0.95	-7.47
4,671.00	4.60	356.60	4,655.65	229.66	39.84	233.03	2.30	-2.21	-6.74
4,766.00	5.00	352.40	4,750.32	237.57	39.07	240.73	0.56	0.42	-4.42
4,861.00	5.20	349.80	4,844.94	245.91	37.76	248.79	0.32	0.21	-2.74
4,956.00	5.40	336.40	4,939.54	254.24	35.20	256.65	1.32	0.21	-14.11
5,051.00	4.00	320.10	5,034.22	260.88	31.29	262.63	2.02	-1.47	-17.16
5,146.00	4.10	261.10	5,129.02	262.90	25.81	263.82	4.20	0.11	-62.11
5,241.00	3.10	212.40	5,223.85	260.20	21.07	260.45	3.27	-1.05	-51.26
5,335.00	2.40	184.00	5,317.75	256.09	19.57	256.16	1.61	-0.74	-30.21
5,430.00	1.40	139.60	5,412.70	253.22	20.19	253.42	1.80	-1.05	-46.74
5,525.00	0.90	187.70	5,507.68	251.60	20.84	251.91	1.10	-0.53	50.63
5,620.00	1.40	211.90	5,602.66	249.88	20.13	250.10	0.72	0.53	25.47
5,715.00	1.10	266.00	5,697.64	248.83	18.60	248.83	1.23	-0.32	56.95
5,807.00	1.40	230.00	5,789.62	248.04	16.86	247.80	0.90	0.33	-39.13
5,904.00	1.40	209.70	5,886.59	246.25	15.37	245.81	0.51	0.00	-20.93
5,999.00	1.50	201.60	5,981.56	244.09	14.33	243.51	0.24	0.11	-8.53
6,093.00	0.90	238.40	6,075.54	242.56	13.25	241.84	1.01	-0.64	39.15
6,189.00	1.10	226.00	6,171.53	241.52	11.95	240.62	0.31	0.21	-12.92



Sharewell Energy Services, LP
Survey Report



Company: Bill Barrett Corp.
Project: Duchesne Co., UT (NAD27)
Site: Sec.5-T4S-R6W
Well: 16-5D-46 BTR
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well 16-5D-46 BTR
TVD Reference: WELL @ 5783.00usft
MD Reference: WELL @ 5783.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,284.00	1.60	213.30	6,266.50	239.78	10.56	238.69	0.61	0.53	-13.37
6,378.00	1.10	230.30	6,360.48	238.11	9.15	236.83	0.68	-0.53	18.09
6,473.00	1.30	233.40	6,455.46	236.88	7.58	235.38	0.22	0.21	3.26
6,568.00	1.70	215.90	6,550.42	235.10	5.89	233.37	0.64	0.42	-18.42
6,662.00	1.10	204.90	6,644.40	233.15	4.69	231.27	0.70	-0.64	-11.70
6,757.00	1.50	202.80	6,739.37	231.18	3.83	229.18	0.42	0.42	-2.21
6,852.00	1.70	200.20	6,834.33	228.71	2.86	226.60	0.22	0.21	-2.74
6,947.00	2.30	195.20	6,929.28	225.55	1.87	223.33	0.66	0.63	-5.26
7,042.00	1.80	194.10	7,024.21	222.26	1.01	219.95	0.53	-0.53	-1.16
Last Sharewell Survey									
7,073.00	1.70	190.80	7,055.20	221.34	0.80	219.00	0.46	-0.32	-10.65
Proj. to TD									
7,130.00	1.70	190.80	7,112.18	219.68	0.49	217.31	0.00	0.00	0.00

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
185.00	185.00	0.00	0.00	First Sharewell Survey
7,073.00	7,055.20	221.34	0.80	Last Sharewell Survey
7,130.00	7,112.18	219.68	0.49	Proj. to TD

Checked By: _____ Approved By: _____ Date: _____

16-5D-46 BTR Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>BBS Slurry</u>	<u>lbs 20/40 White Sand</u>	<u>lbs 100 Mesh Sand</u>
1	3,350	155,900	
2	3,545	168,800	
3	3,520	166,500	
4	3,438	162,500	
5	3,746	175,000	
6	3,797	167,200	20,000
7	3,766	167,300	20,000
8	3,248	131,480	18,020

*Depth intervals for frac information same as perforation record intervals.

RECEIVED

MAR 01 2012

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 16-5D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0644 FSL 0833 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 05 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013508440000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/15/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:
OTHER: <input style="width: 100px;" type="text" value="CA number"/>				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 The Tribal CA has been earned for this well. The CA number UTU89154

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 April 15, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/15/2015	

Effective Date: 11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
Telephone: (801) 683-4245
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley
Permit Analyst

RECEIVED
OCT 21 2016
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
RIG II, LLC N4055

3. ADDRESS OF OPERATOR:
1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 PHONE NUMBER: (801) 683-4245

4. LOCATION OF WELL
FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit In Duplicate) Approximate date work will start: 11/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
801-683-4245
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165
Duane Zavala NAME (PLEASE PRINT)
Duane Zavala SIGNATURE
Senior Vice President -
EH&S, Government and Regulatory Affairs

RIG II, LLC
Jesse McSwain NAME (PLEASE PRINT)
Jesse McSwain SIGNATURE
Manager

NAME (PLEASE PRINT) Jesse McSwain
SIGNATURE Jesse McSwain
TITLE Manager
DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

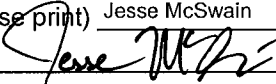
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	(See attached list)
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	Bill Barrett Corporation
Date original permit was issued:	
Company that permit was issued to:	Bill Barrett Corporation

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-LUDGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager
Signature  Date 10/20/16
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

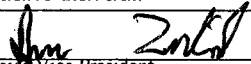
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

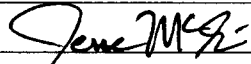
Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

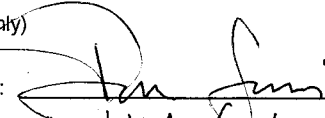
CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

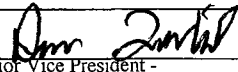
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

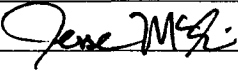
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION
Address: 1099 18th Street Ste 2300
city DENVER state CO zip 80202
Phone: (303) 293-9100
Comments:


Name: Duane Zavadii
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC
Address: 1582 West 2600 South
city Wood Cross state UT zip 84087
Phone: (801) 683-4245
Comments:

Name: Jesse McSwain
Signature: 
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

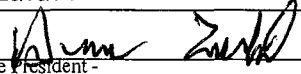
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

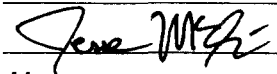
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

*This well was approved by USEPA.
EPA approval will be required.*